

FIG.1

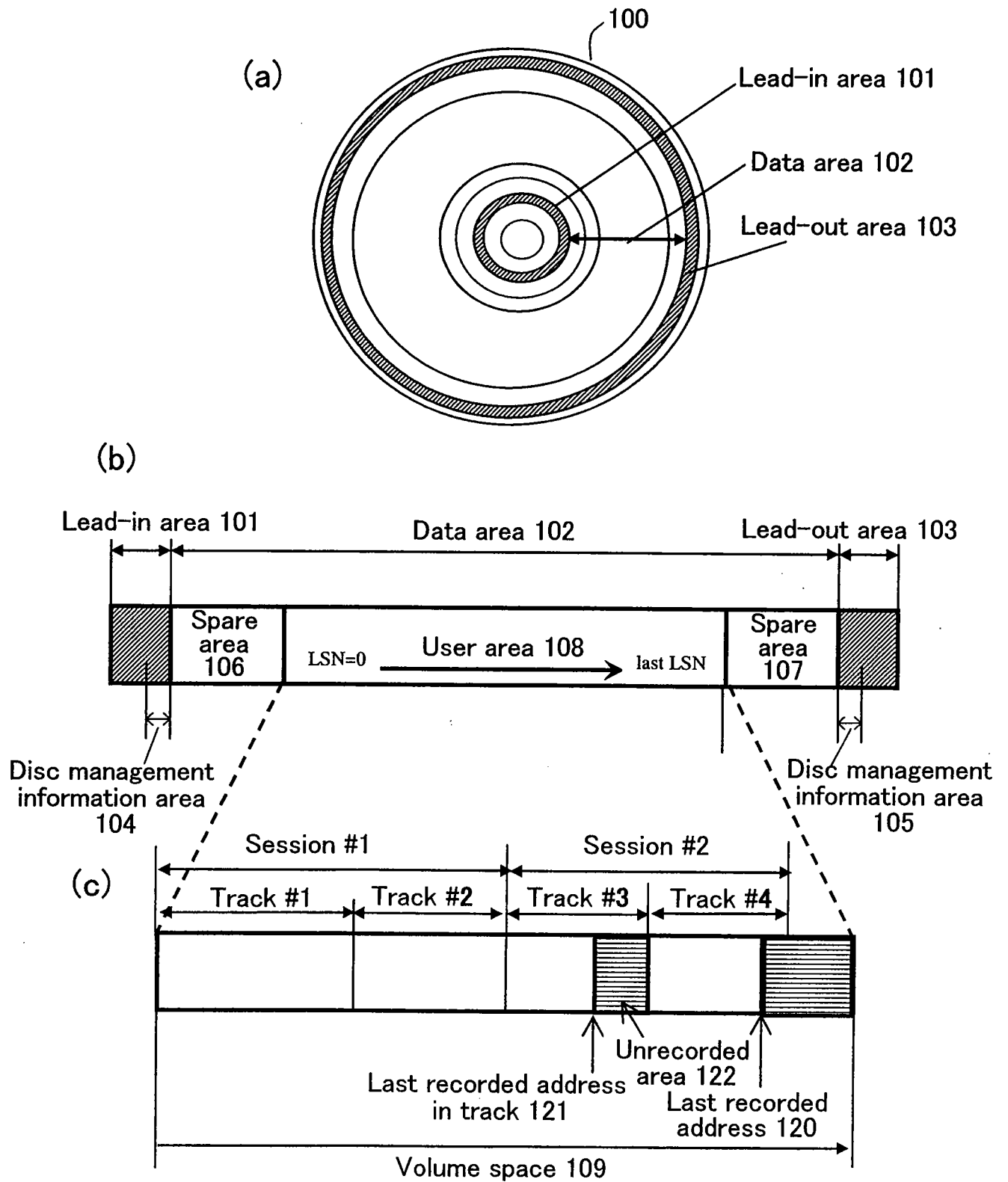
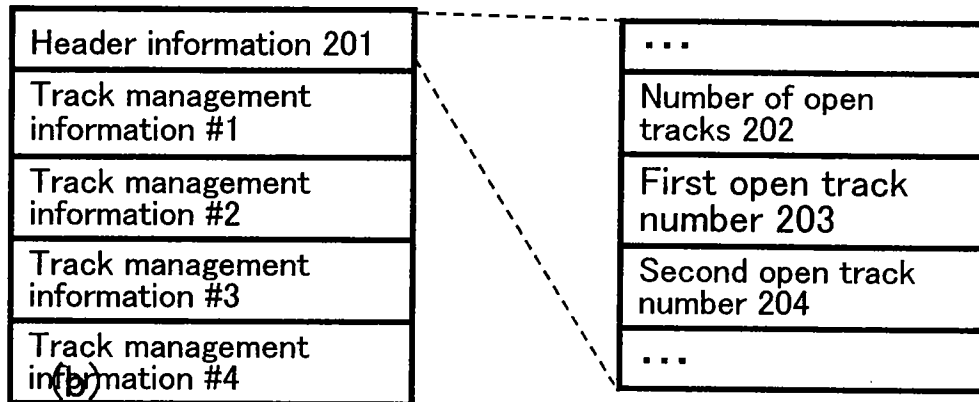
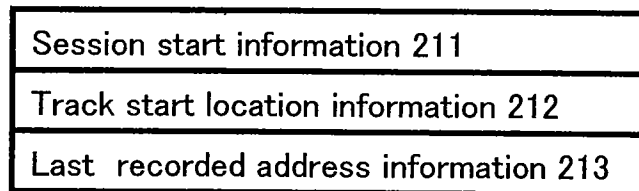


FIG.2

(a) Session management information 200



(b) Track management information 210



(c) Space bitmap management information 220

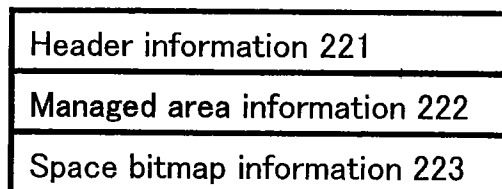


FIG.3A

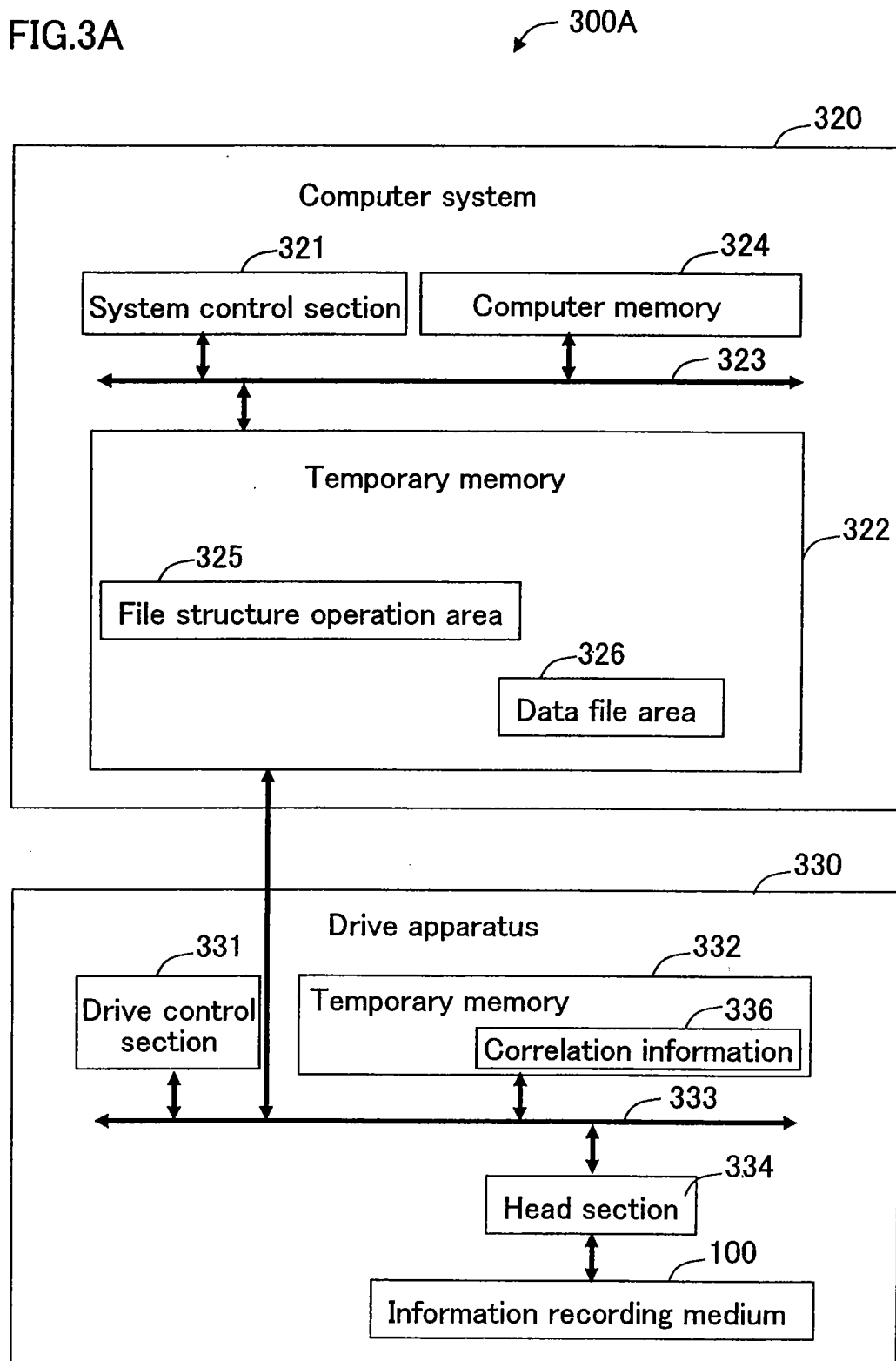


FIG.3B

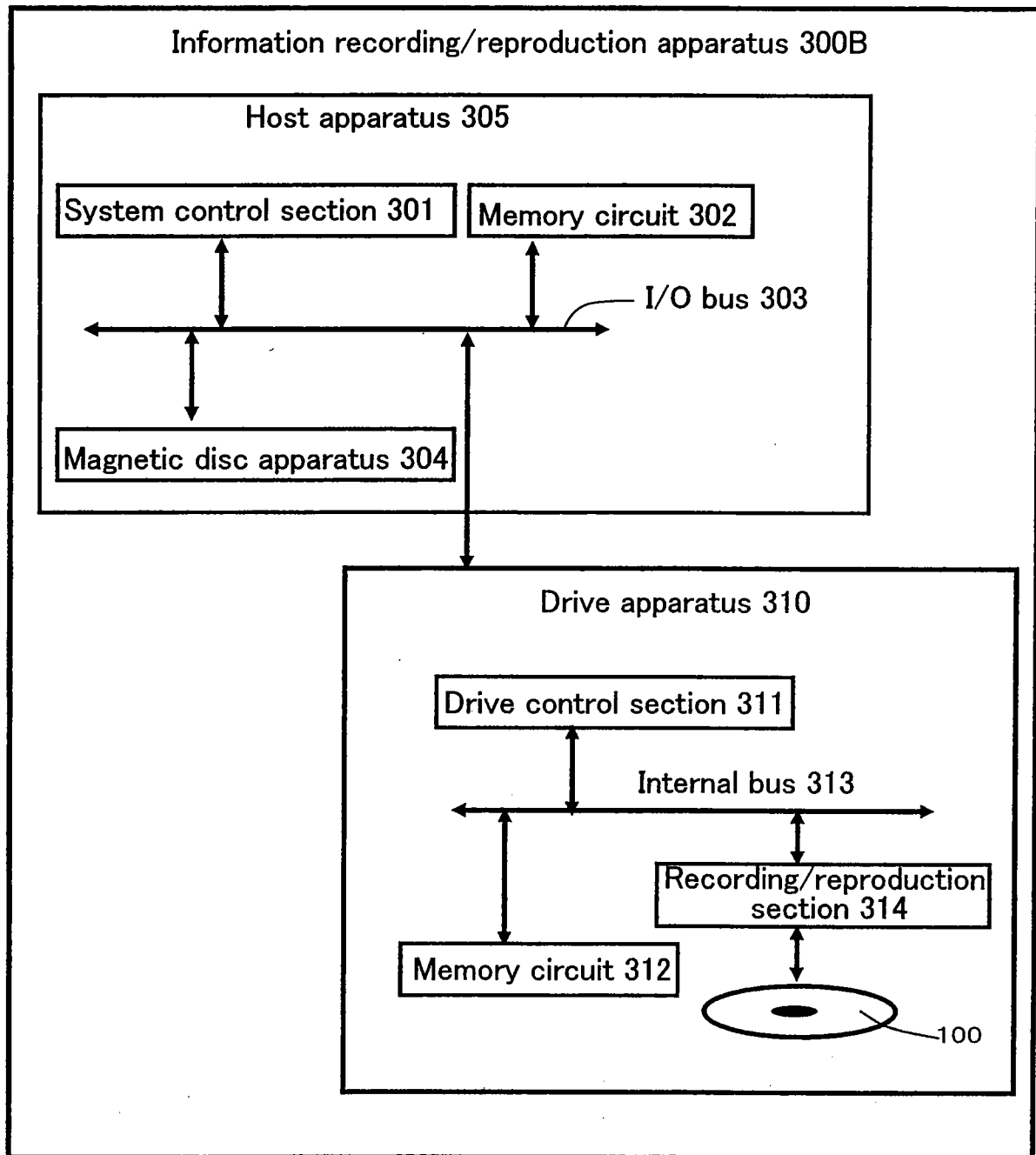


FIG.4A

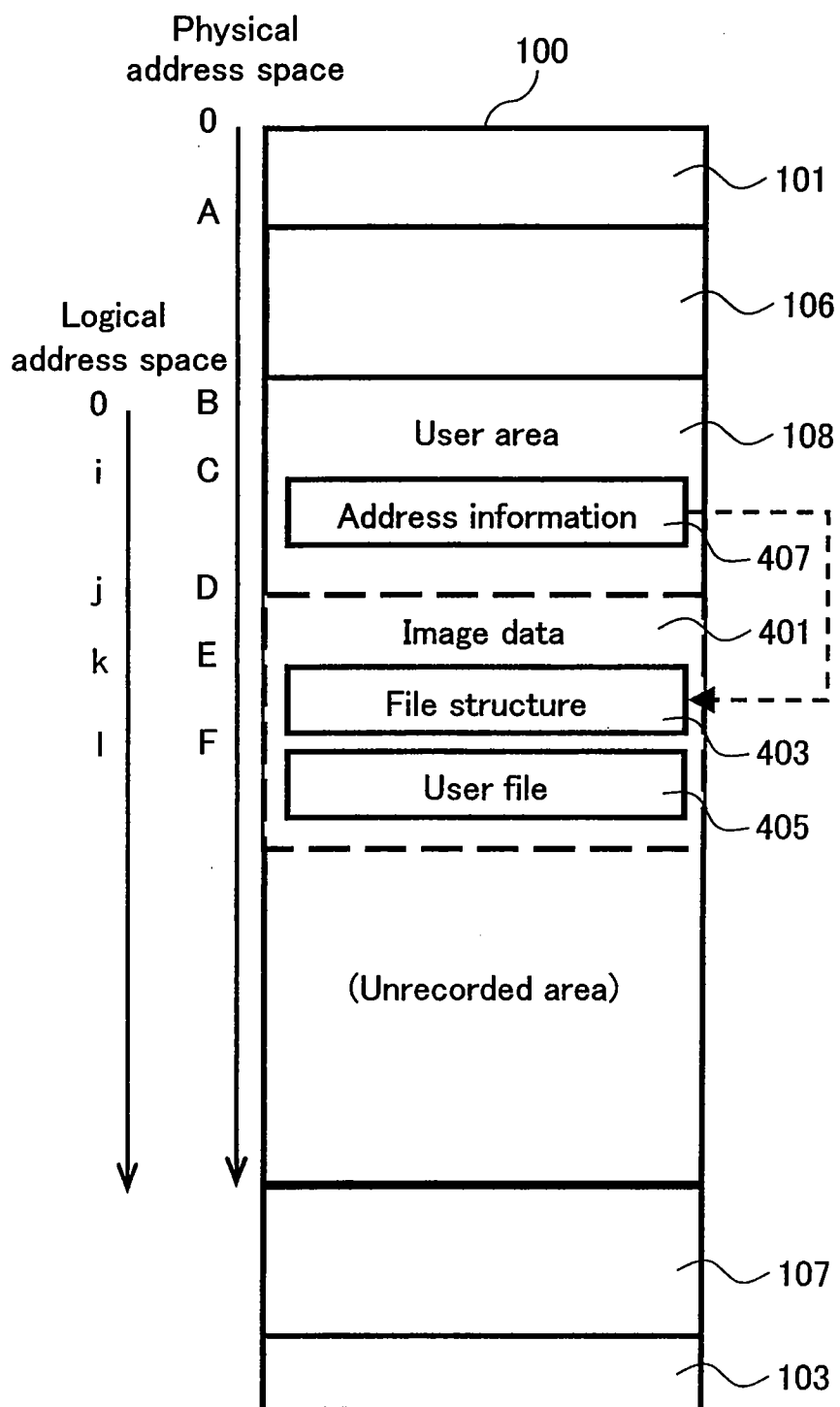


FIG.4B

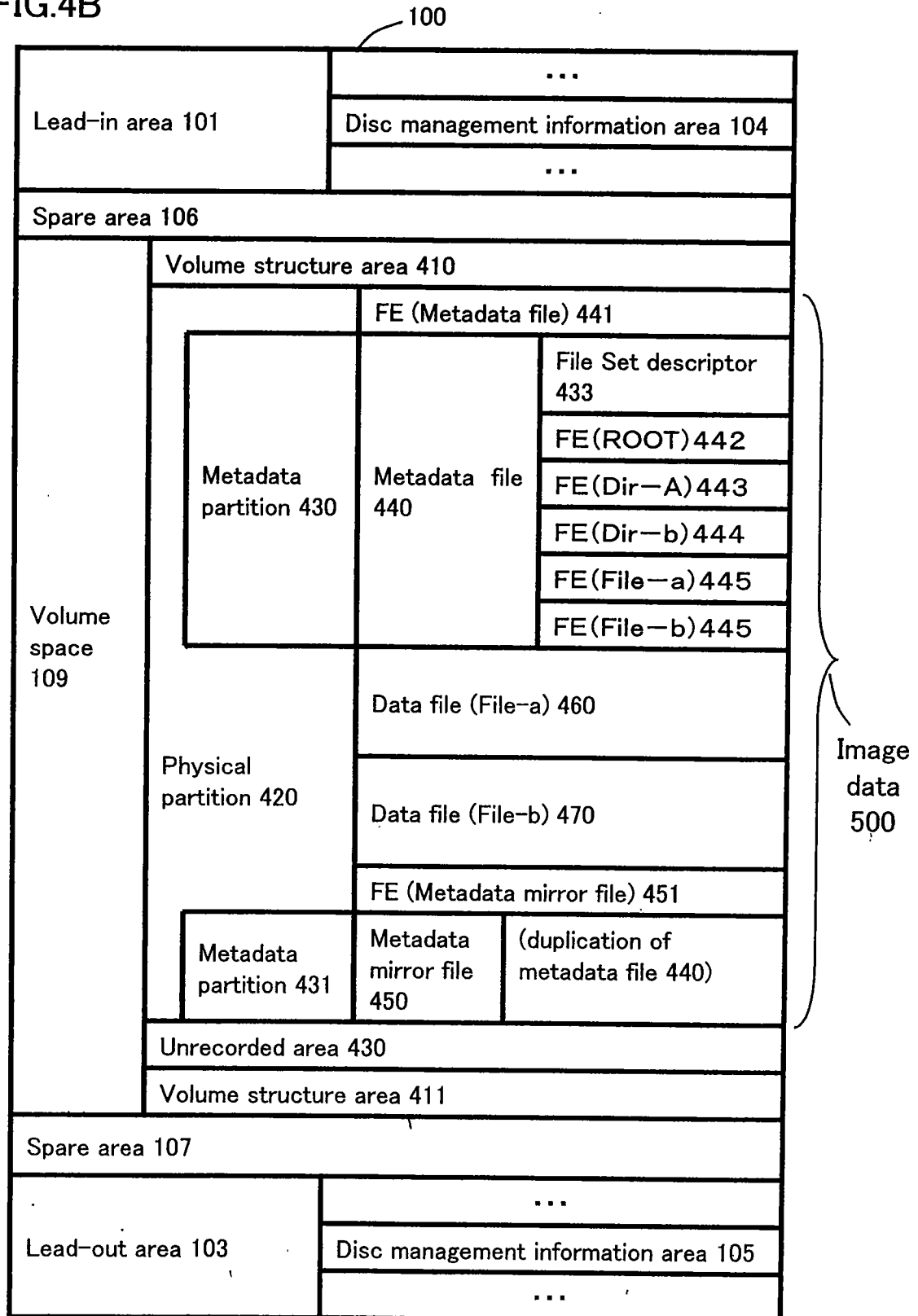


FIG.5

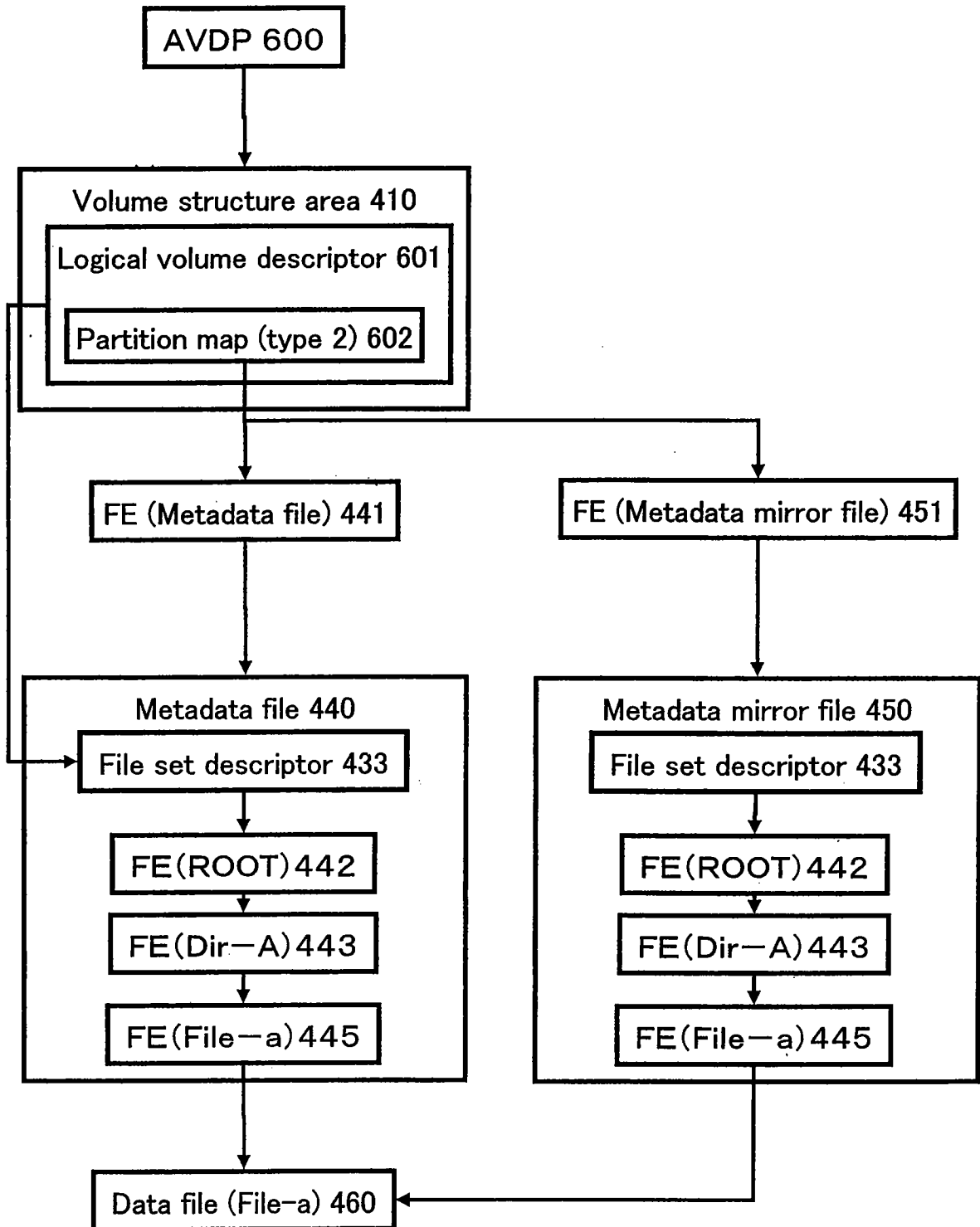


FIG.6A

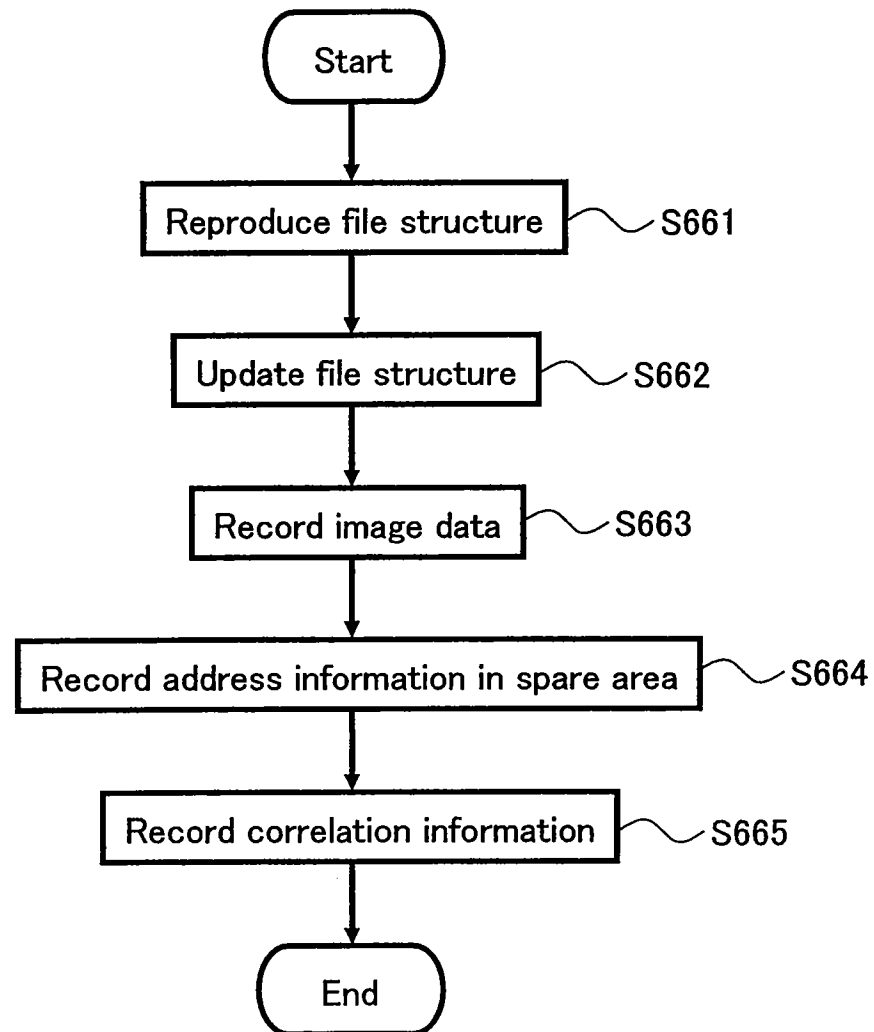


FIG.6B

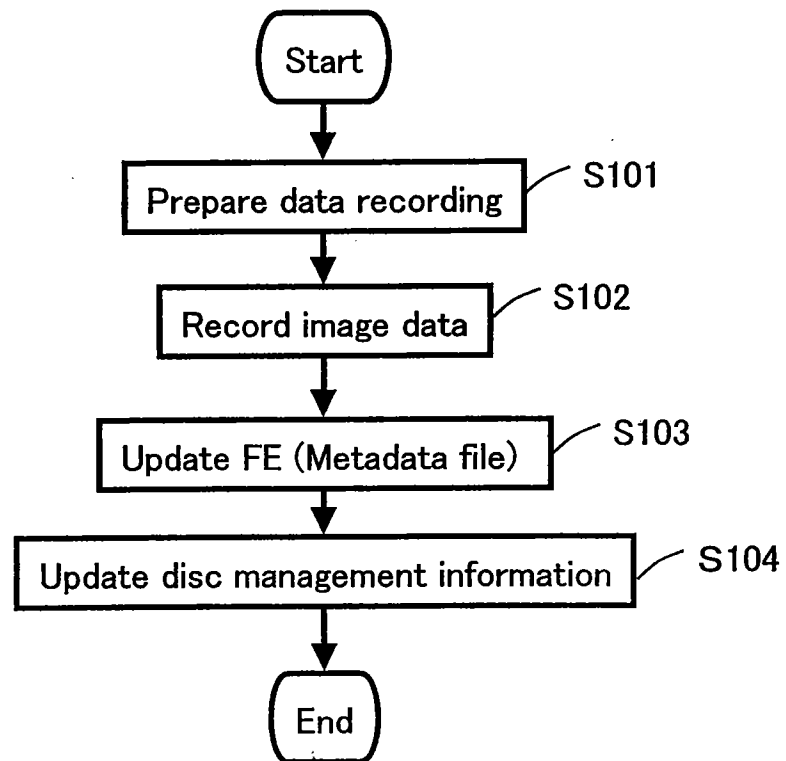


FIG. 7A

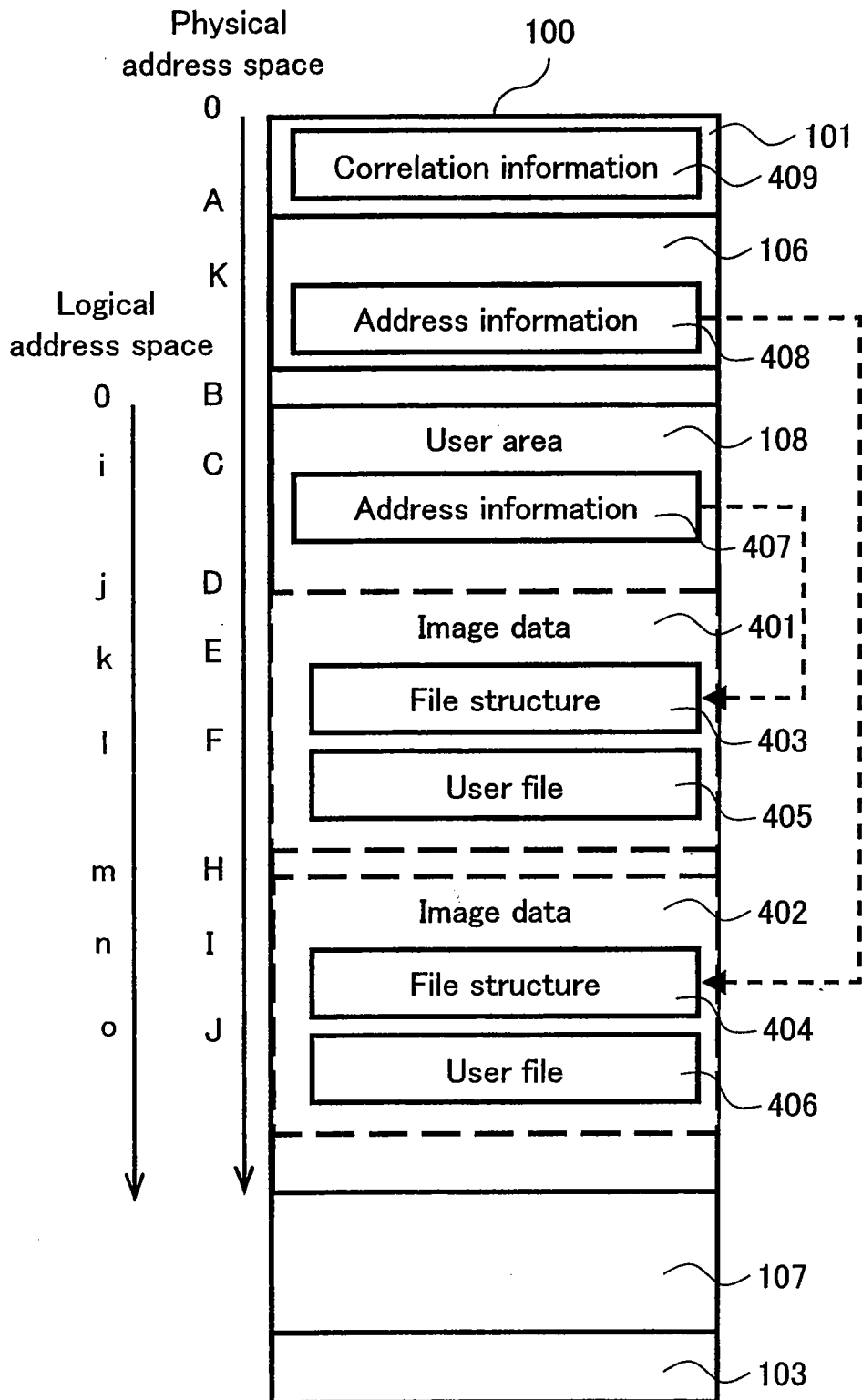


FIG.7B

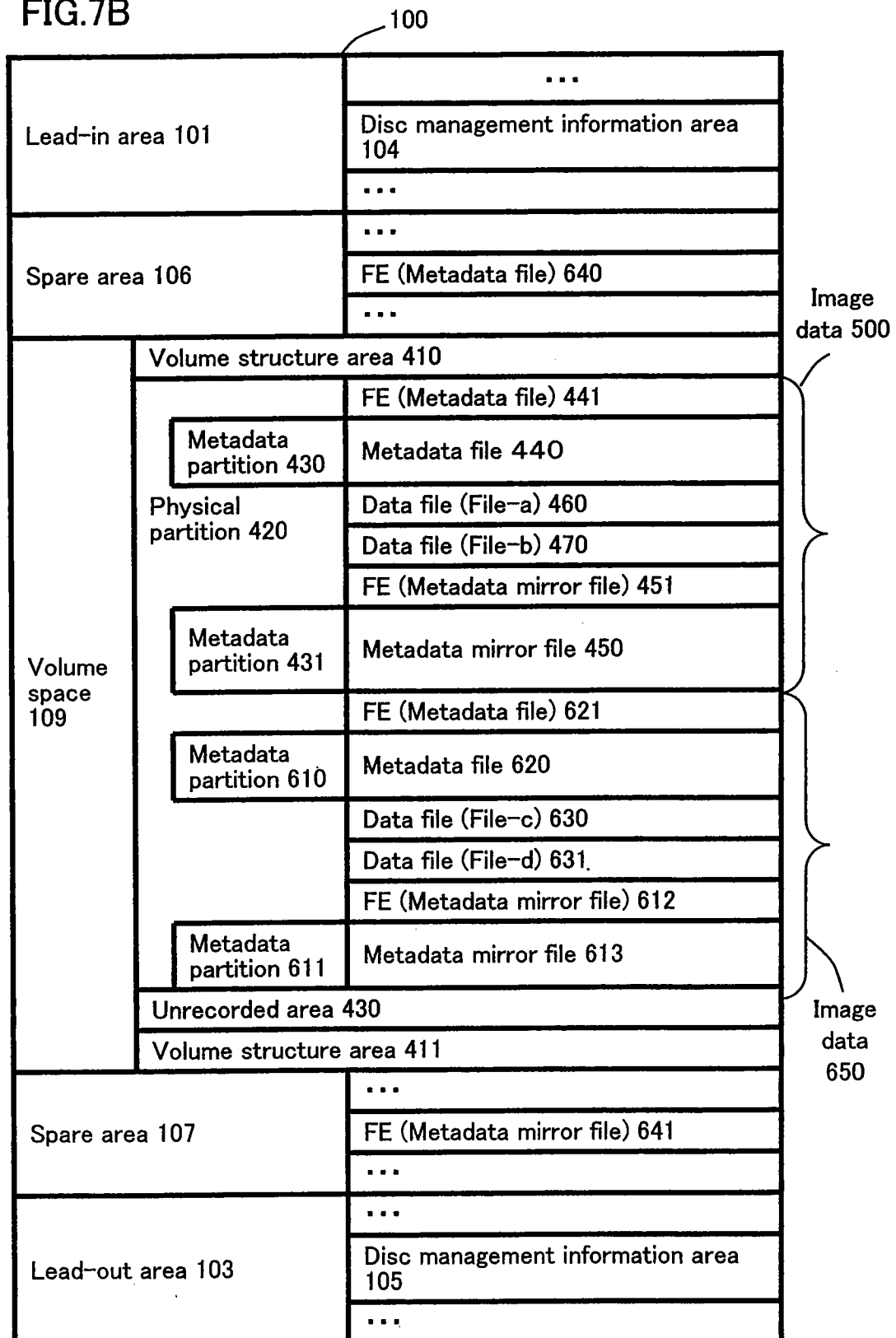


FIG.8A

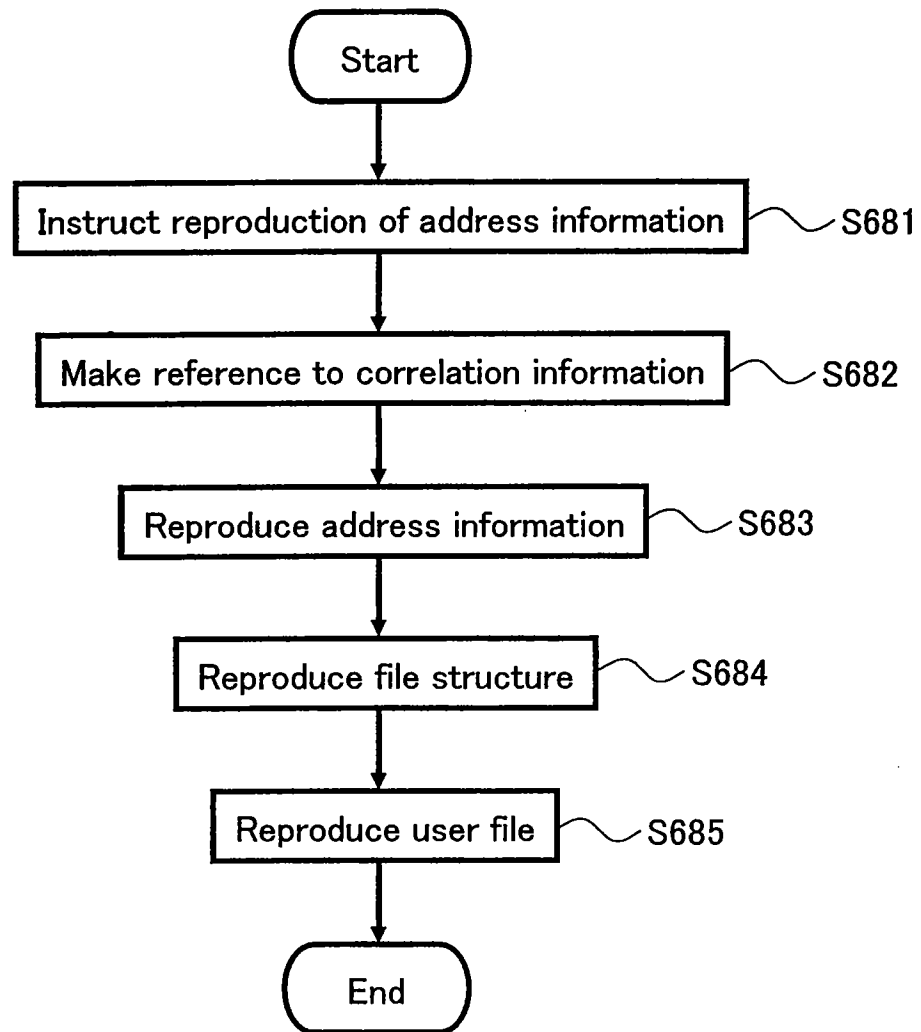


FIG.8B

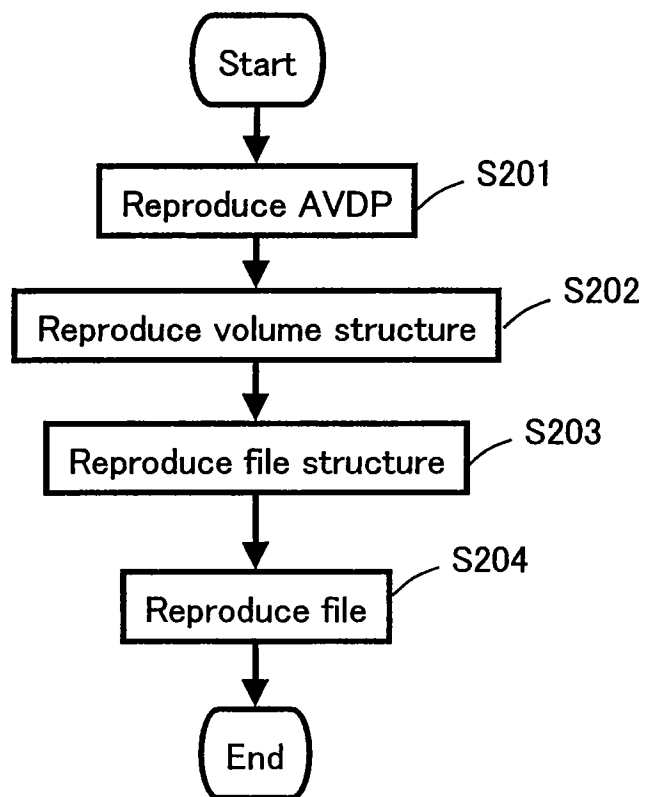


FIG.9

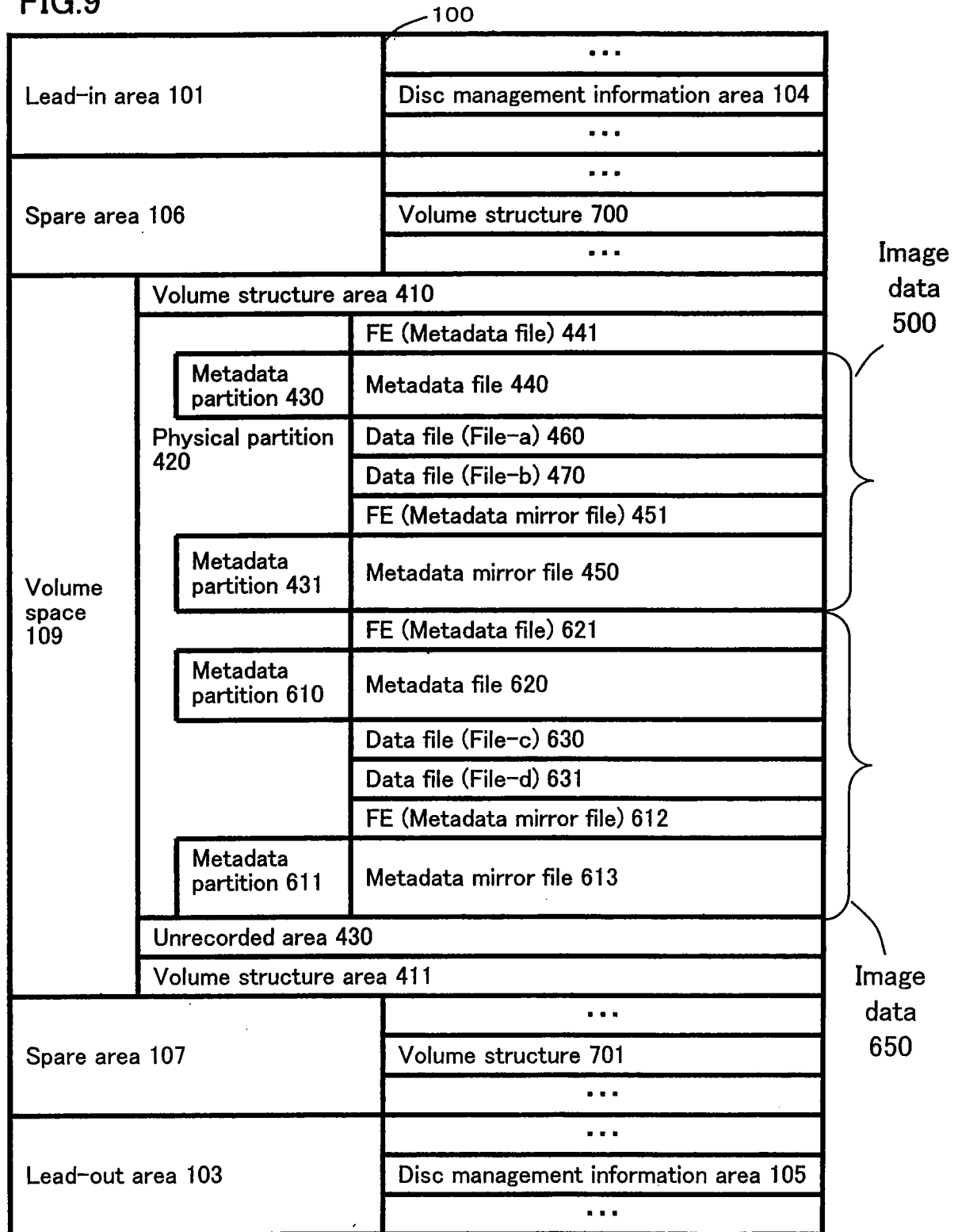


FIG.10

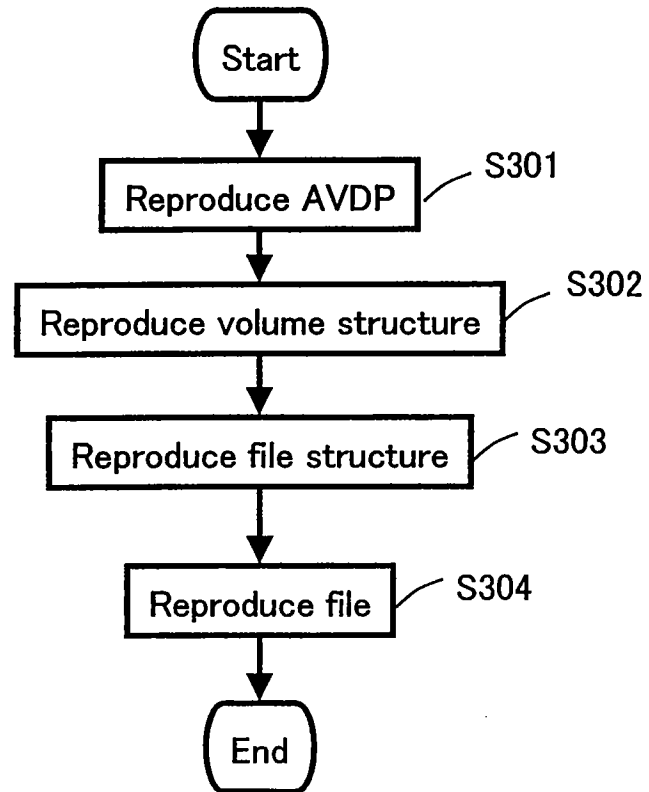


FIG.11

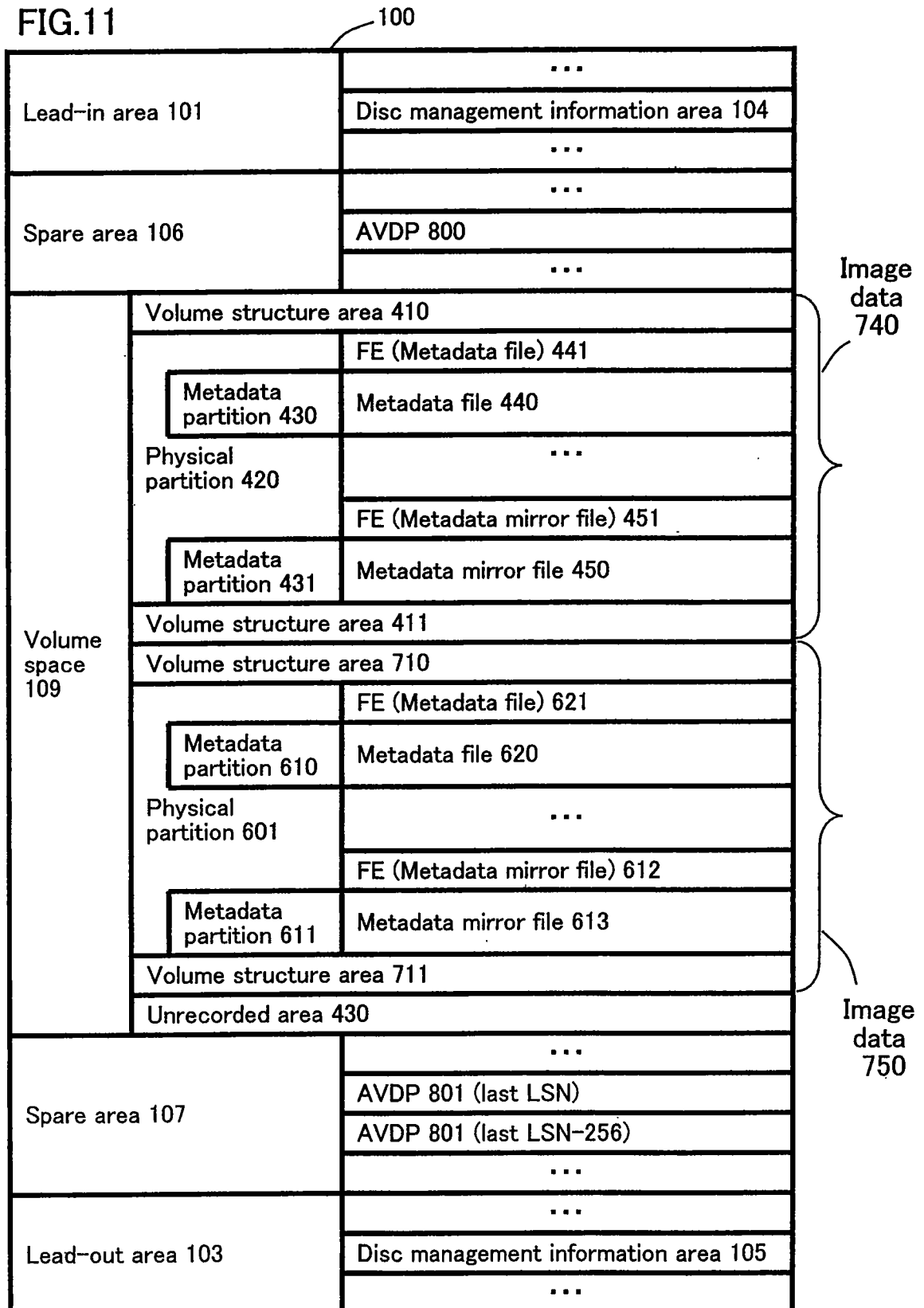


FIG.12

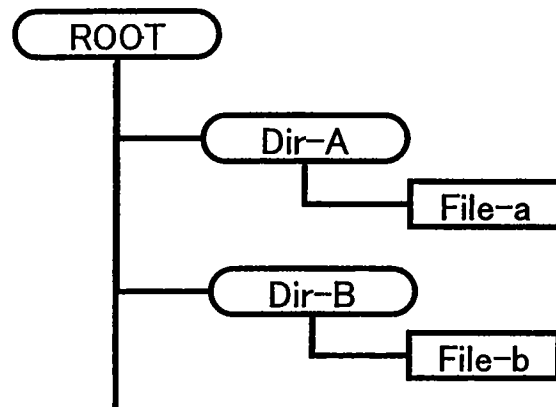


FIG.13

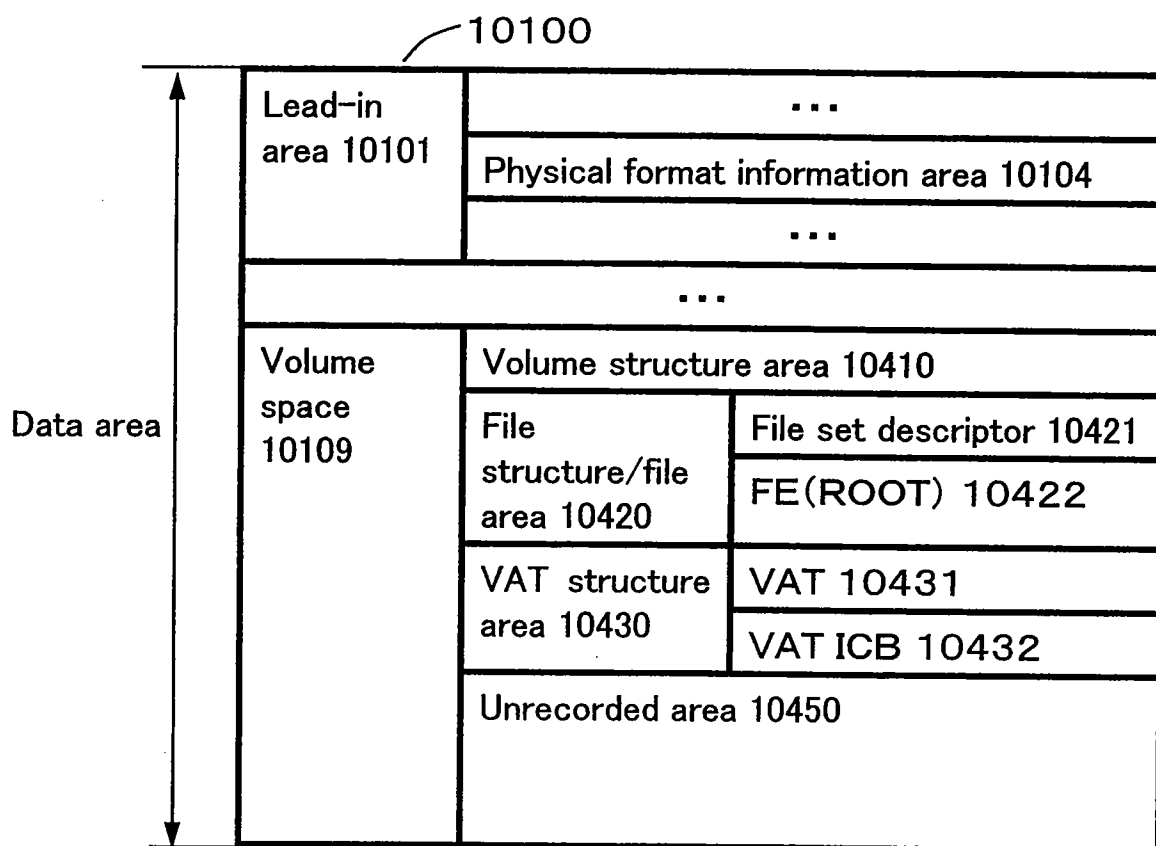


FIG.14

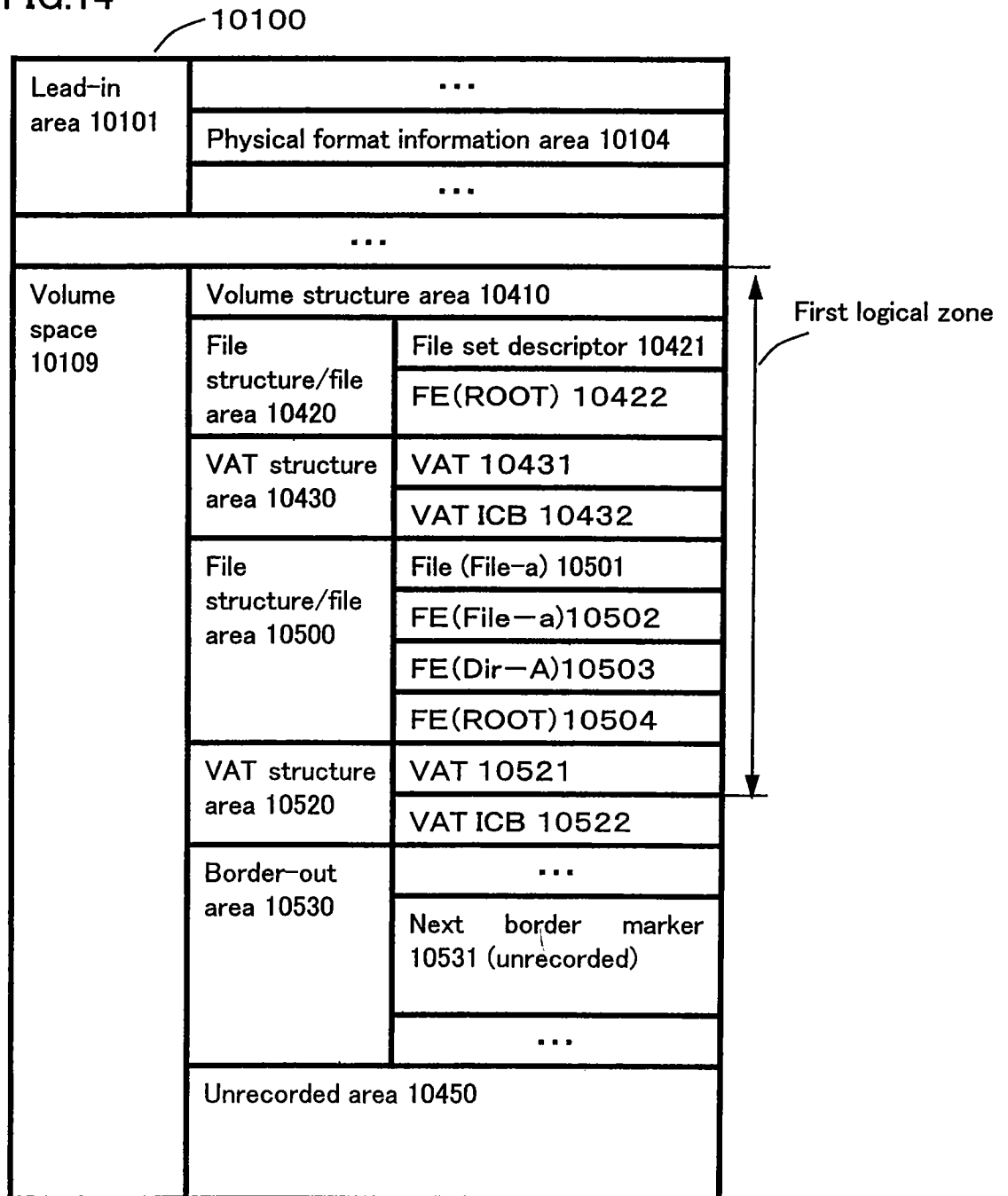


FIG.15

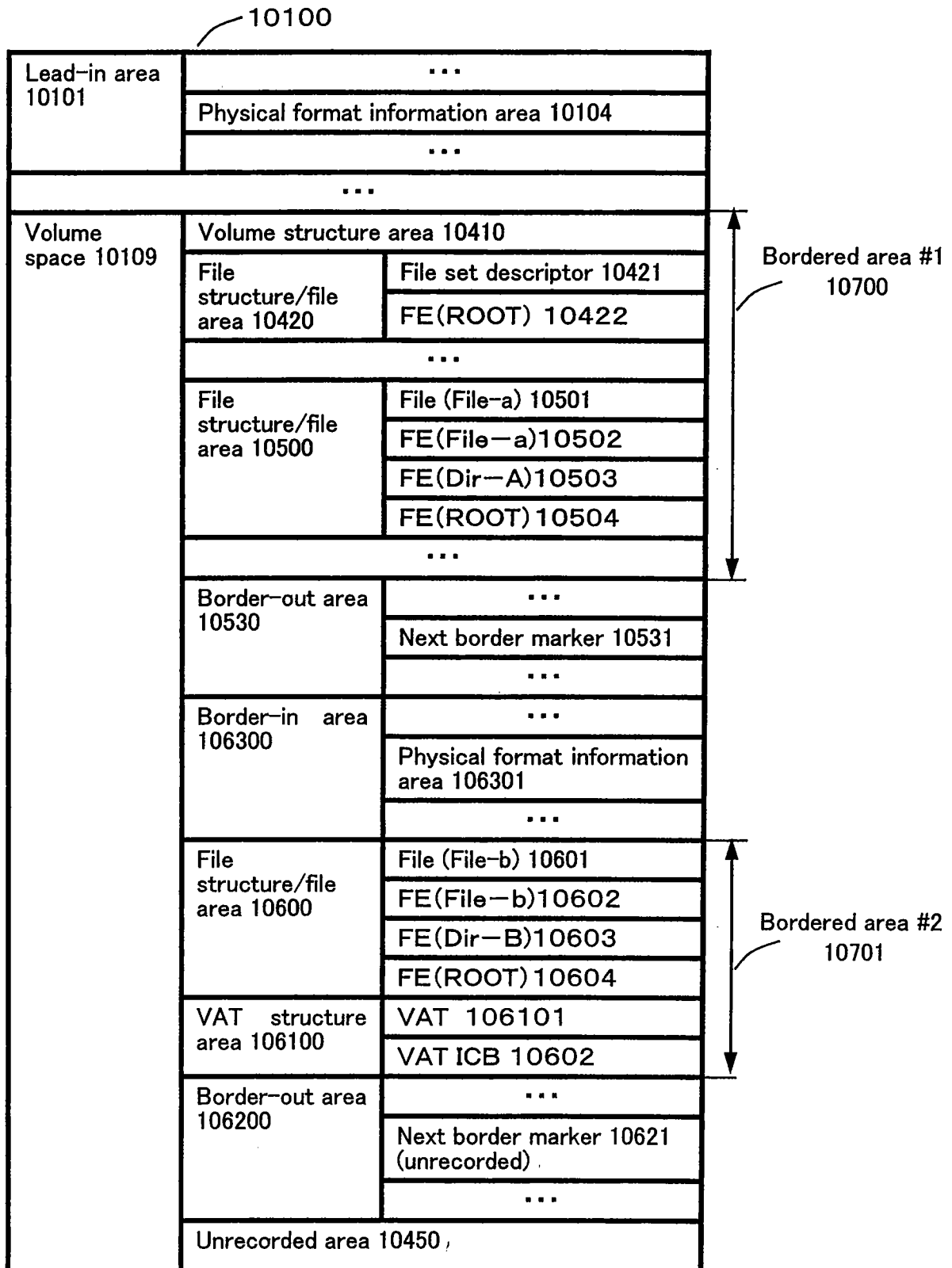


FIG.16

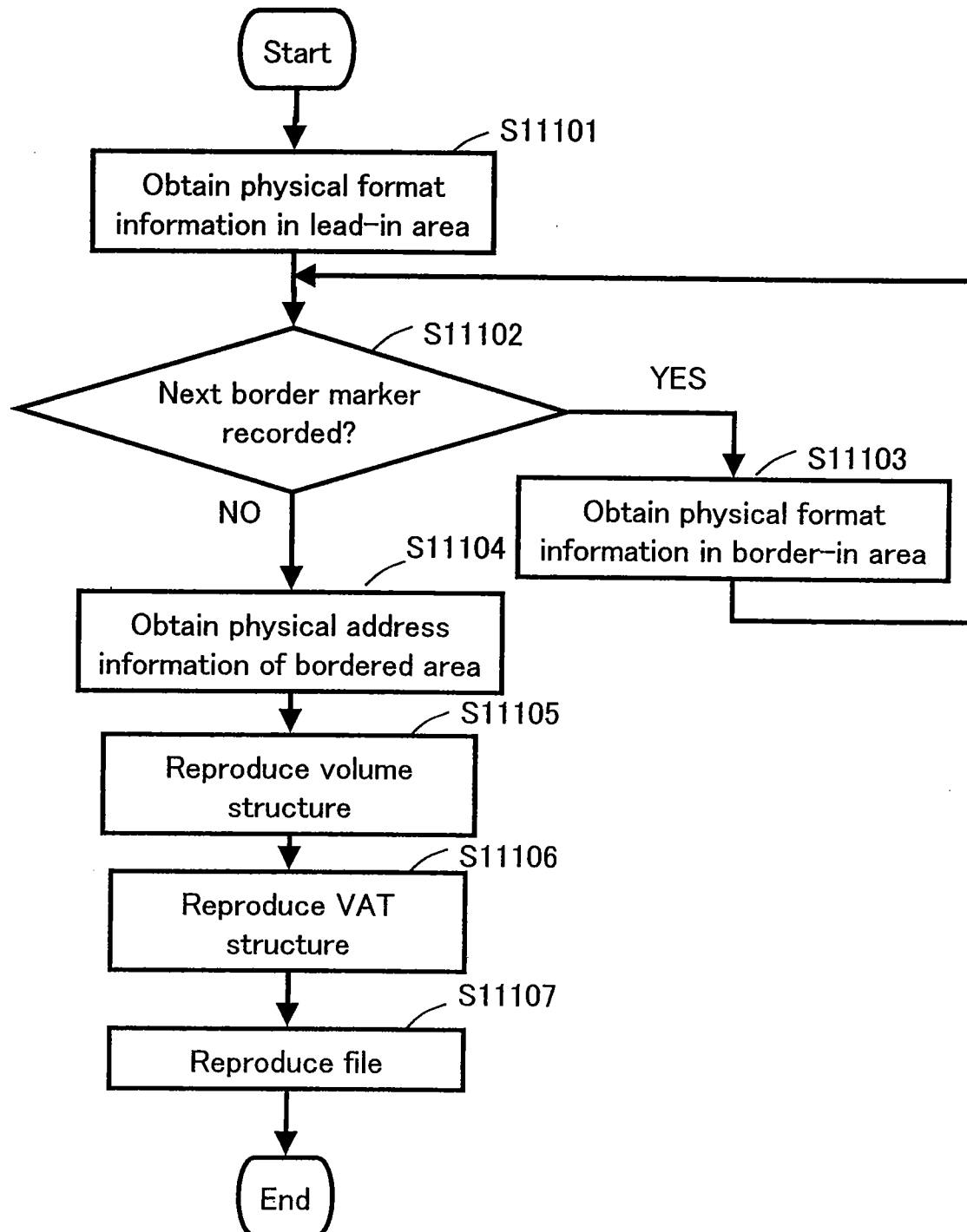


FIG.17

(a) Replacement management information list 1000

Header information 1001
Replacement management information #1
Replacement management information #2
Replacement management information #3
...
Terminator information
00h

(b) Replacement management information 1010

Status information 1011
Original location information 1012
Replacement location information 1013

FIG.18

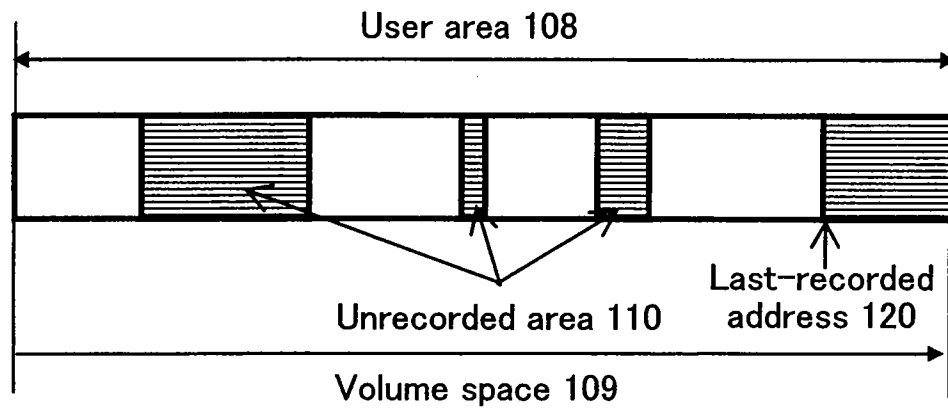


FIG.19

Disc structure information 1100

General information 1101
Replacement management information list location information 1102
User area start location information 1103
User area end location information 1104
Spare area information 1105
Recording mode information 1106
Last recorded address information 1107
Spare area management information 1108
Session management information location information 1109
Space bitmap management information location information 1110

FIG.20

100b

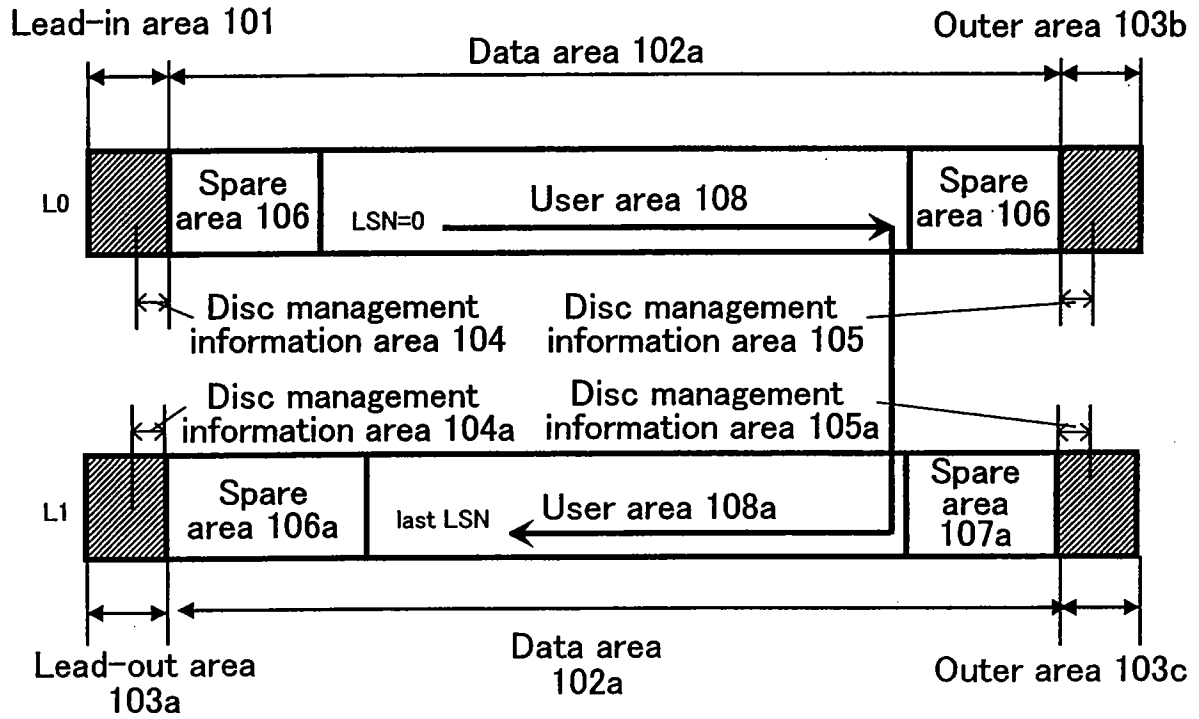


FIG.21

(a) The structure of image data 500

FE (Metadata file) 441	
Metadata file 440	File set descriptor 433
	FE(ROOT) 442
	FE(Dir-A) 443
	FE(Dir-b) 444
	FE(File-a) 445
	FE(File-b) 445
Data file (File-a) 460	
Data file (File-b) 470	
FE (Metadata mirror file) 451	
Metadata mirror file 450	File set descriptor 433
	FE(ROOT) 442
	FE(Dir-A) 443
	FE(Dir-b) 444
	FE(File-a) 445
	FE(File-b) 445

} Duplication of metadata file 412

(b) An example of different data arrangement in metadata file 440

Metadata file 440	File set descriptor 433
	FE(ROOT) 442
	FE(Dir-A) 443
	FE(File-a) 445
	FE(Dir-b) 444
	FE(File-b) 445

FIG.22

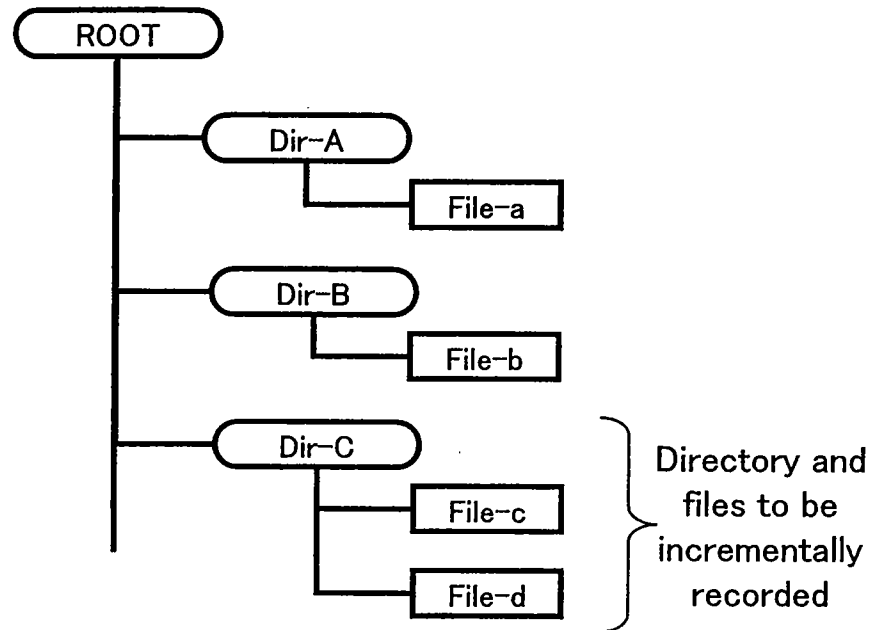
(a)	Volume structure area 410	NSR area		
		...		
		Primary volume descriptor		
		Implementation use volume descriptor		
		Partition descriptor	...	
			Partition start location	
			...	
		Logical volume descriptor 601	...	
			Partition map (type 1) 1200	
			Partition map (type 2) 602	...
				Metadata file location 1201
				Metadata mirror file location 1202
				...
				Flag 1203
				...
			...	
			...	
		Logical volume integrity descriptor		
		...		
		First anchor volume descriptor pointer 600		

(b)

Volume structure area 411	Third anchor volume descriptor pointer	
	...	
	Primary volume descriptor	
	Implementation use volume descriptor	
	Partition descriptor	
	Logical volume descriptor 601	
	...	
	Second anchor volume descriptor pointer	

FIG.23

(a)



(b)

650

FE (Metadata file) 621	
Metadata file 620	File set descriptor 433
	FE(ROOT) 442
	FE(Dir-A) 443
	FE(Dir-b) 444
	FE(Dir-C) 622
	FE(File-a) 445
	FE(File-b) 445
	FE(File-c) 623
	FE(File-d) 624
Data file (file-c) 630	
Data file (file-d) 631	
FE (Metadata mirror file) 612	
Metadata mirror file 613	(Duplication of Metadata file 620)

FIG.24

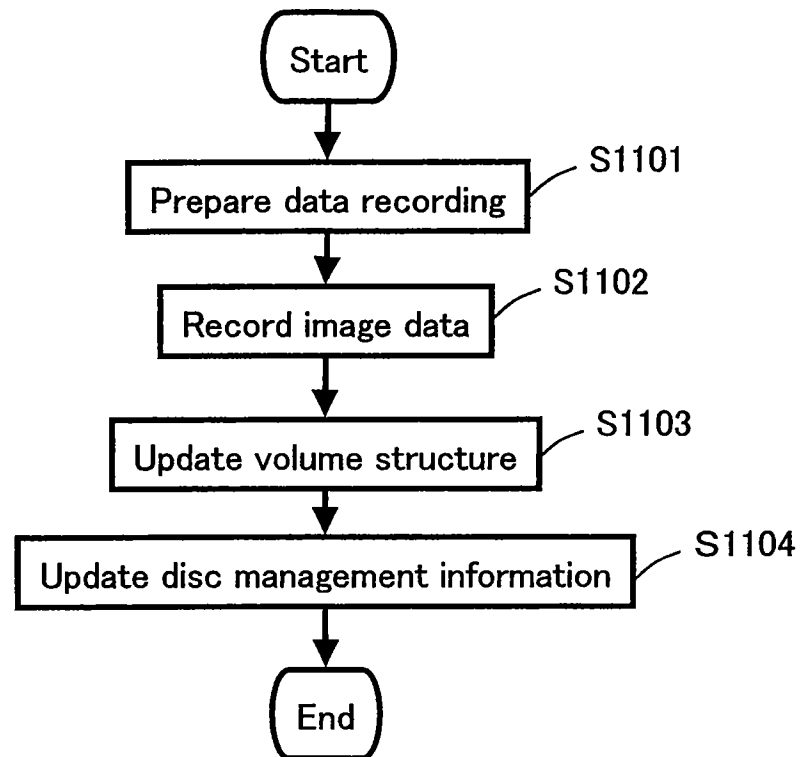


FIG.25

Dual layer disc 100b

Lead-in area 101		...		
		Disc management information area 104		
		...		
Spare area 106		...		
		Volume structure 700		
		...		
Volume space 109	Volume structure area 410			Image data 500
	Physical partition 420		FE (Metadata file) 441	
		430	Metadata file 440	
			Data file (File-a) 460	
			Data file (File-b) 470	
			FE (Metadata mirror file) 451	
	431	Metadata mirror file 450		
		FE (Metadata file) 621		
	610	Metadata file 620		
		Data file (File-c) 630		
		Data file (File-d) 631		
		FE (Metadata mirror file) 612		
	611	Metadata mirror file 613		
	Unrecorded area 430			
Spare area 107		...		Image data 650
		Volume structure 701		
		..		
Outer areas 103c, 103d		...		
Spare area 107b		...		
Volume space 109	Unrecorded area 430b			
	Volume structure area 411			
Spare area 106b		...		
Lead-out area 103b		...		

FIG.26

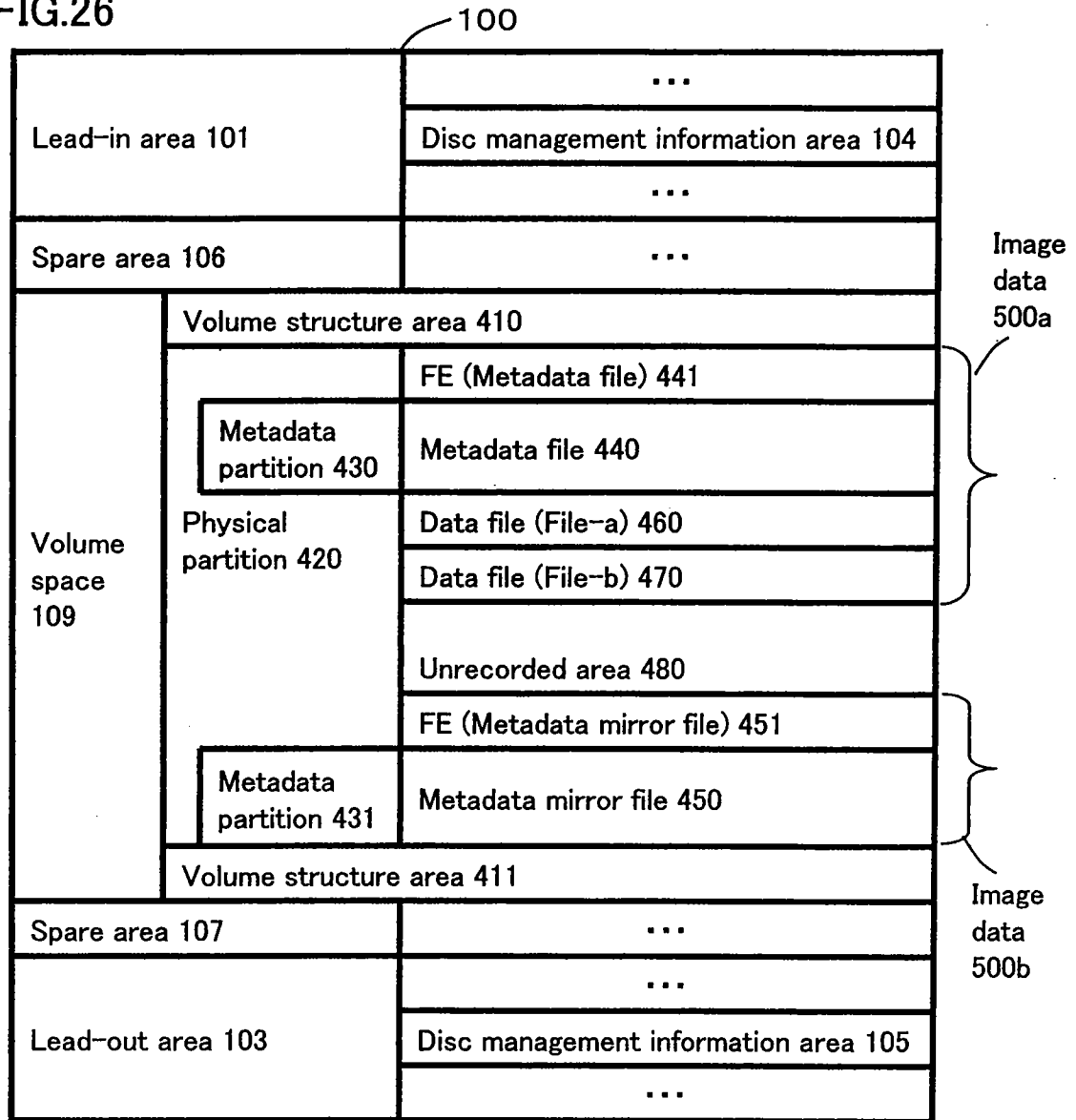


FIG.27

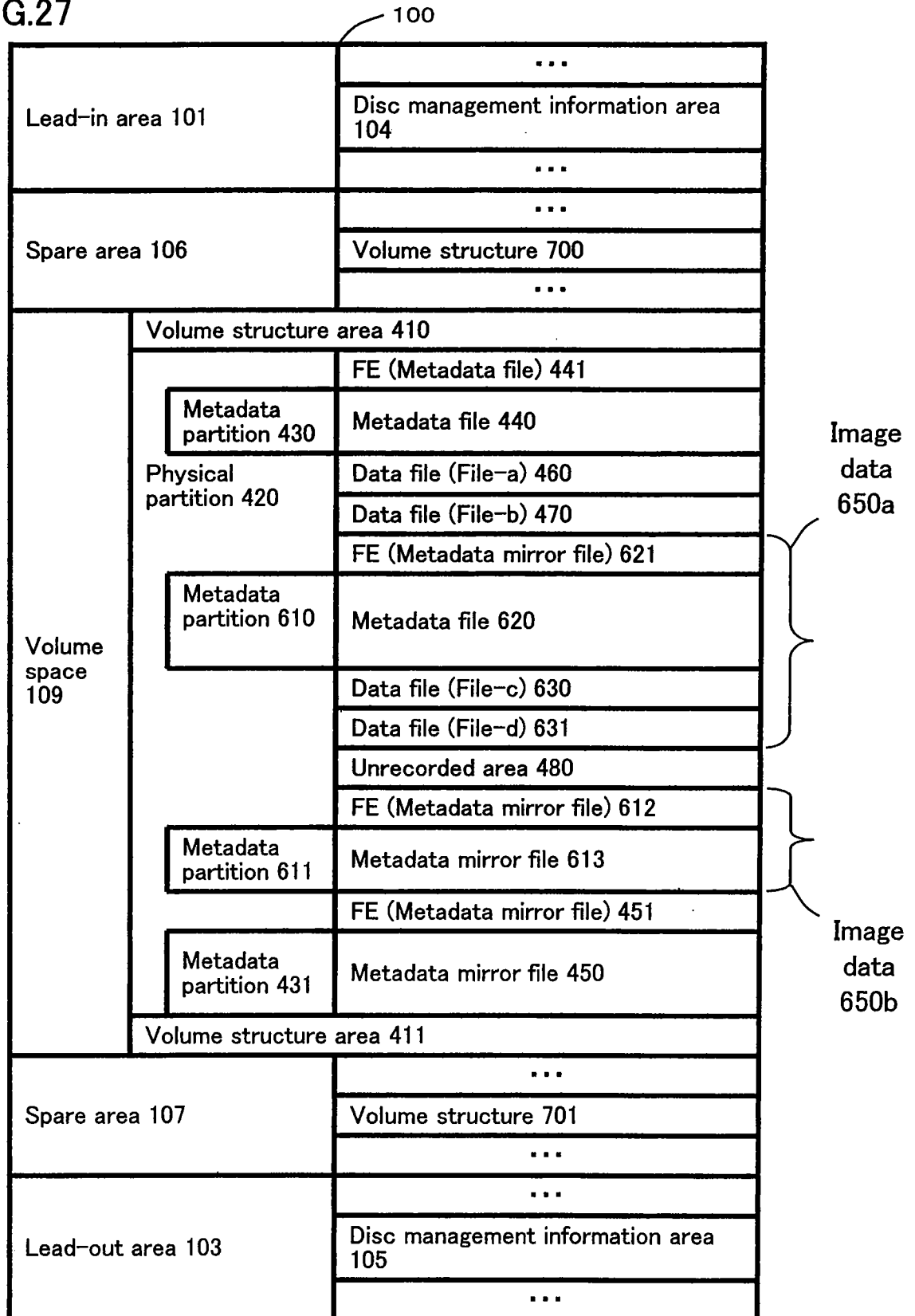


Fig. 28

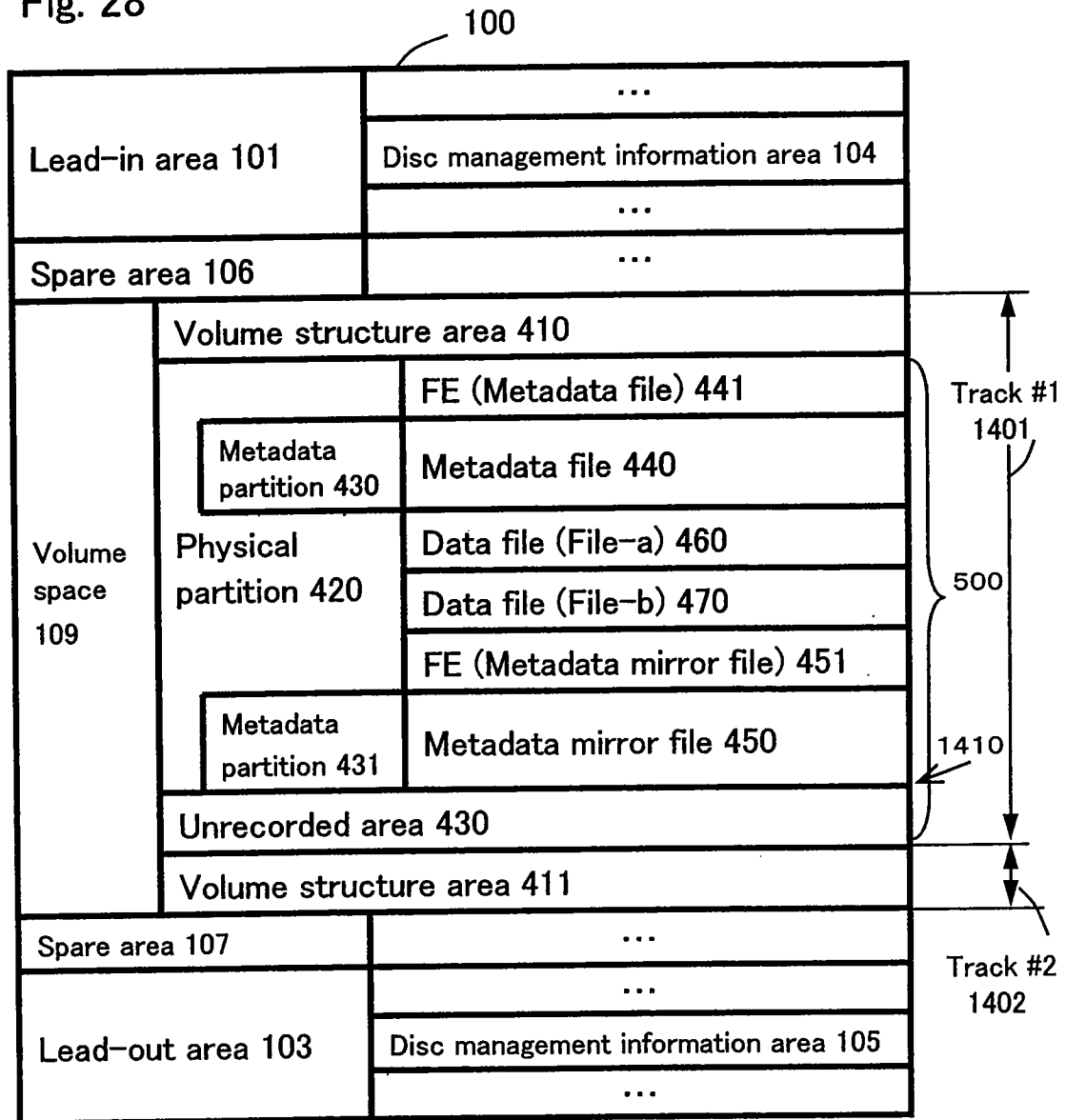


Fig. 29

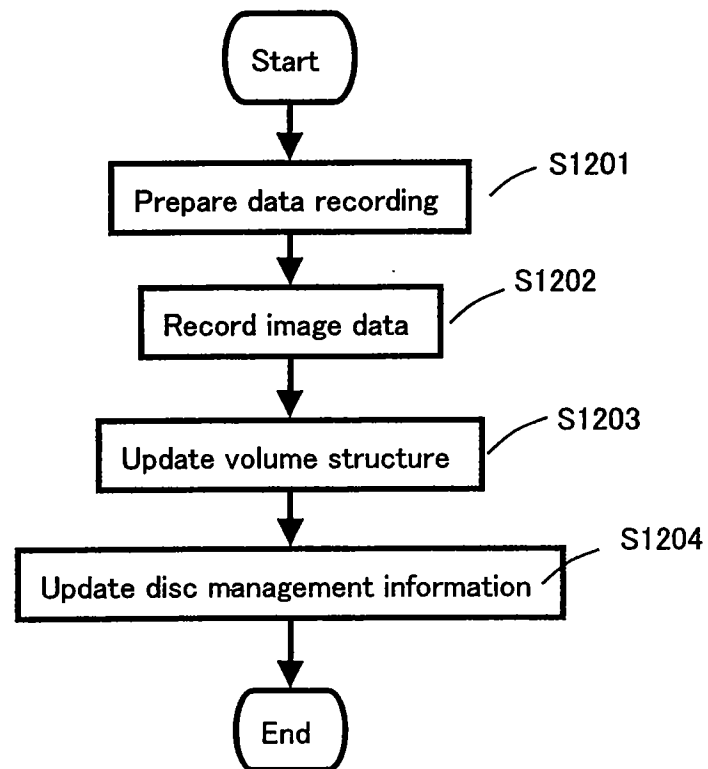


Fig. 30

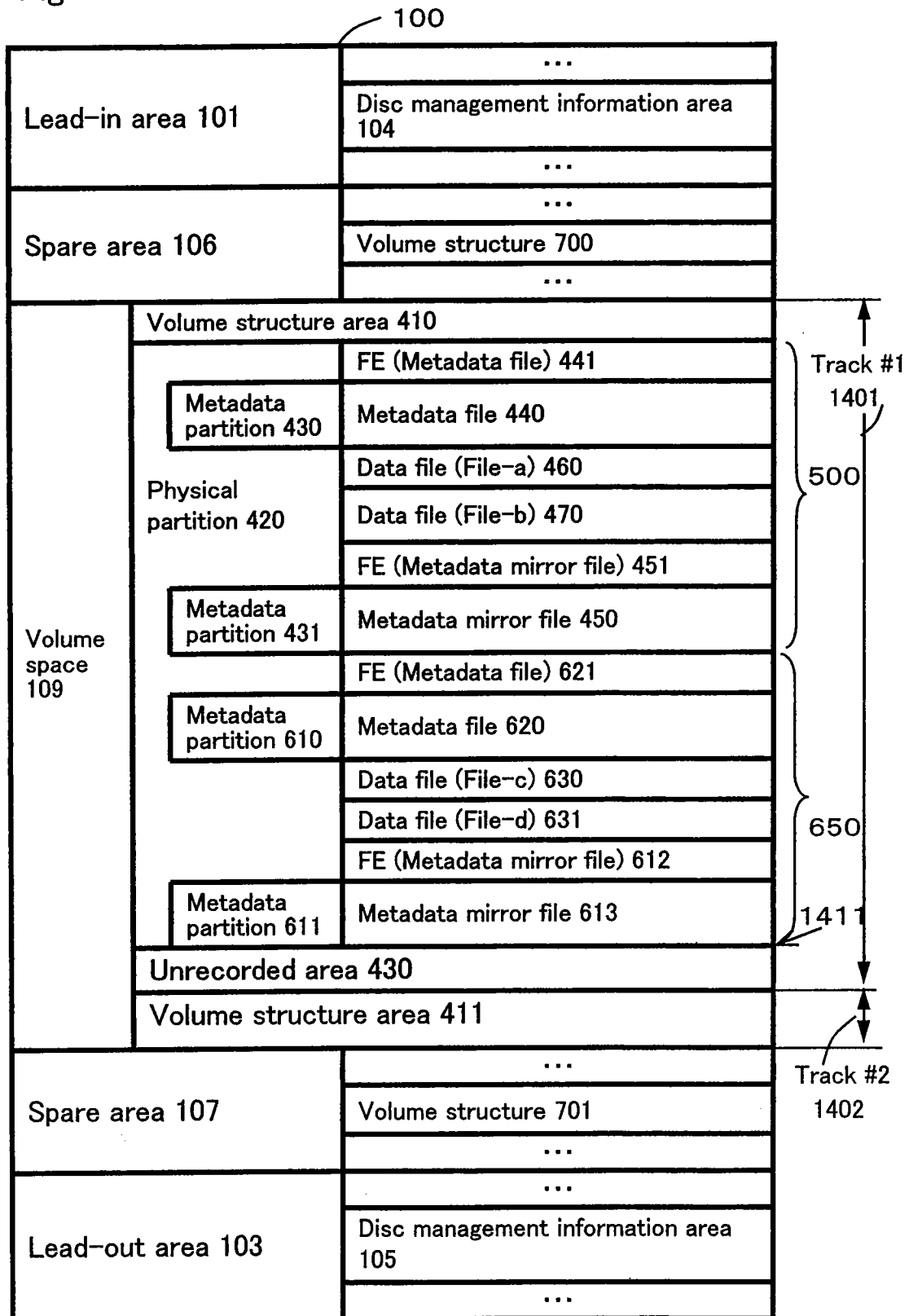


Fig. 31

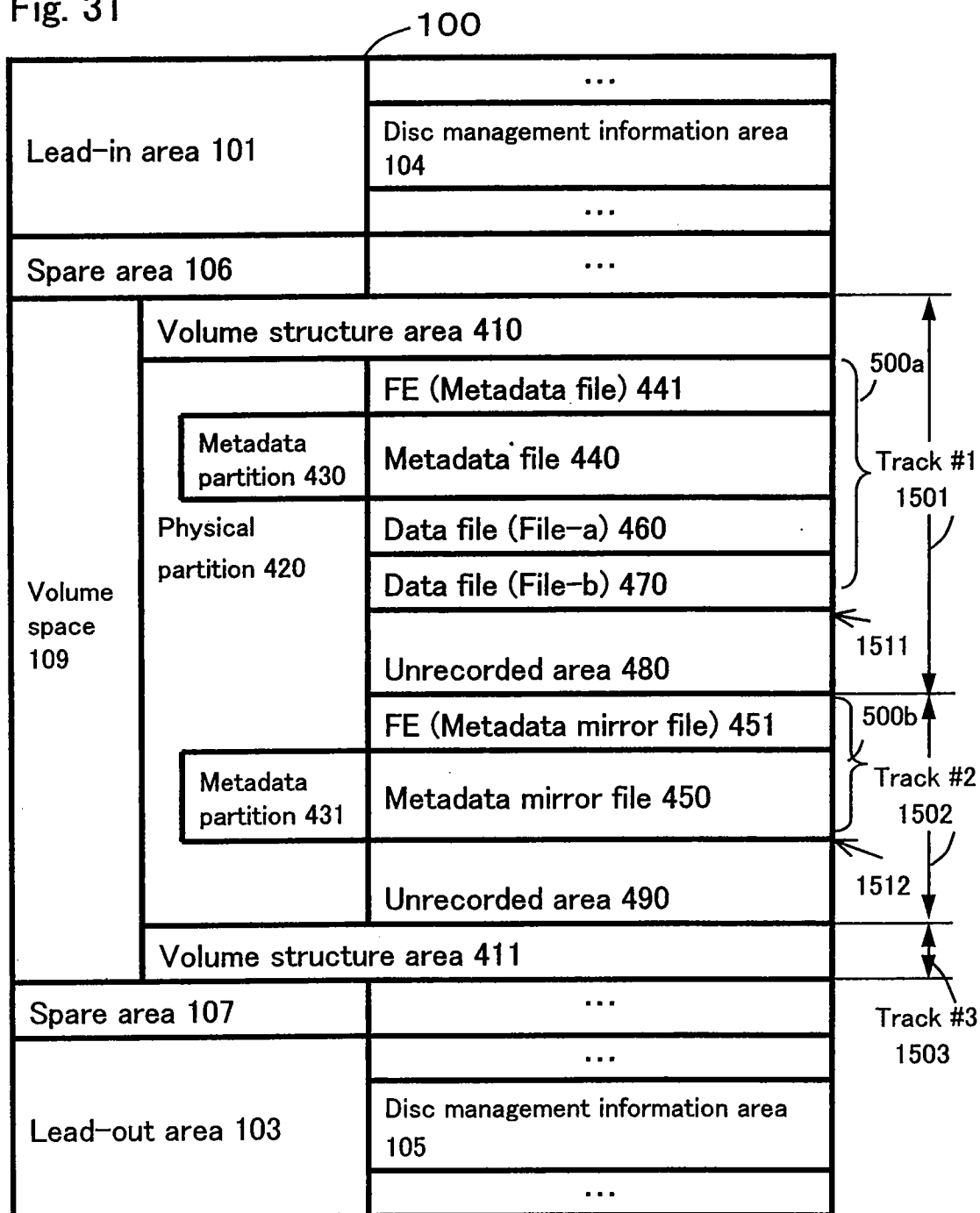


Fig. 32

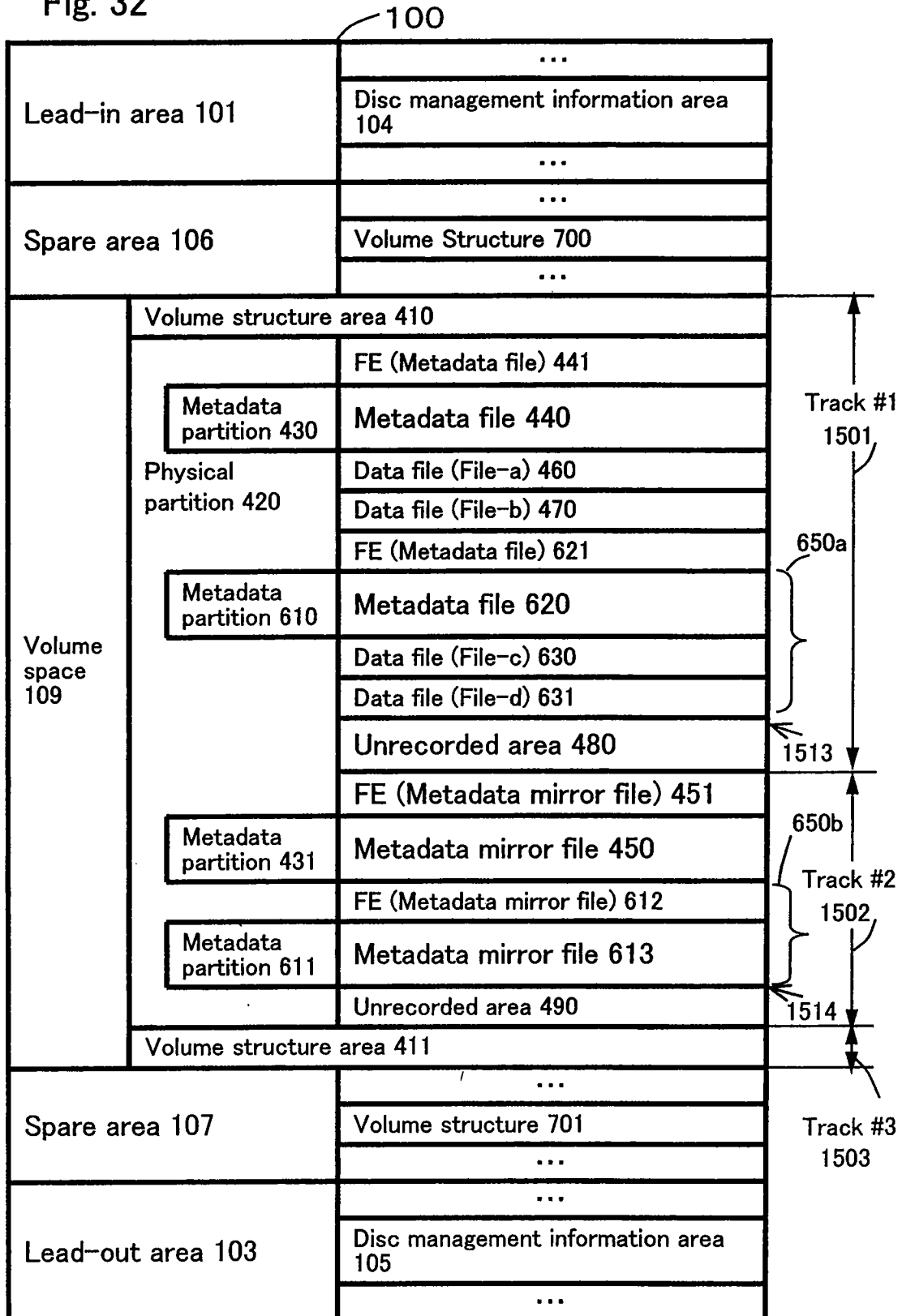


Fig. 33

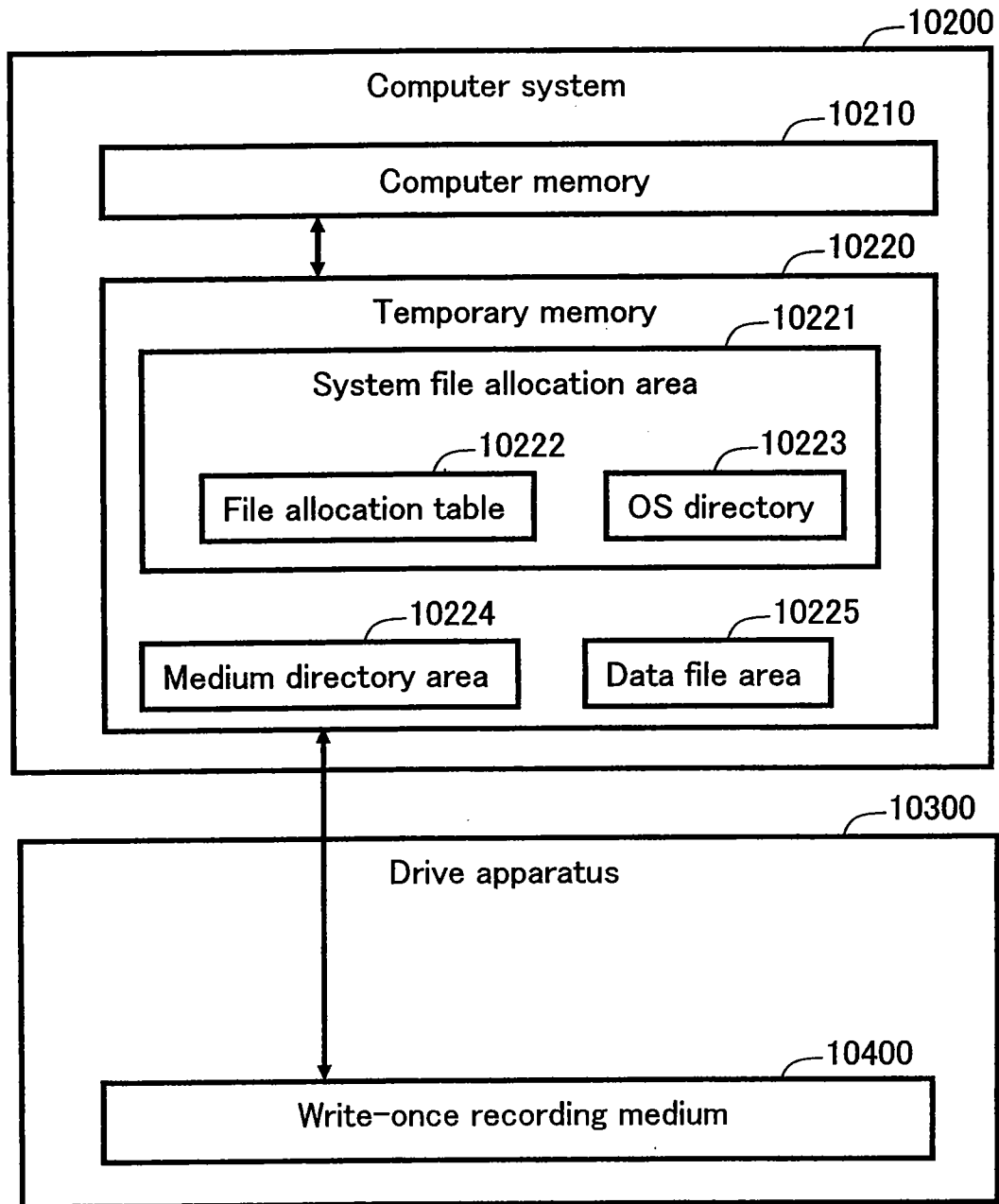


Fig. 34

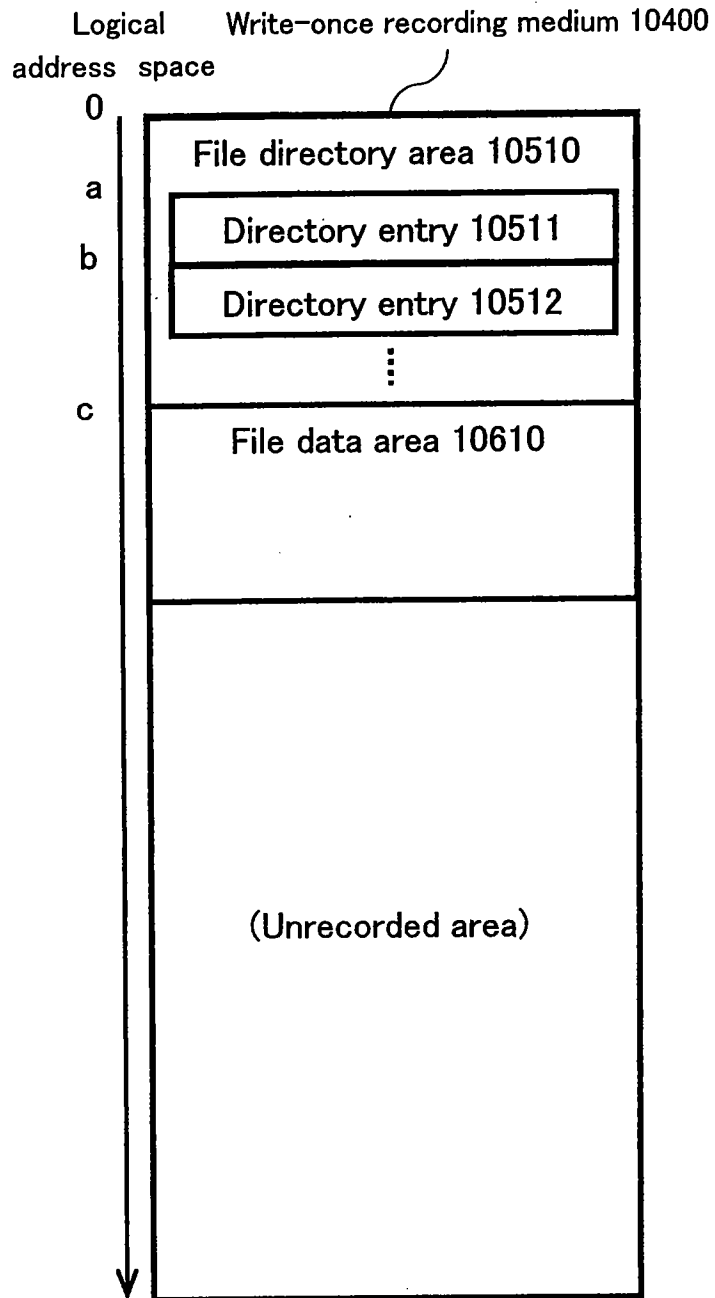


Fig. 35

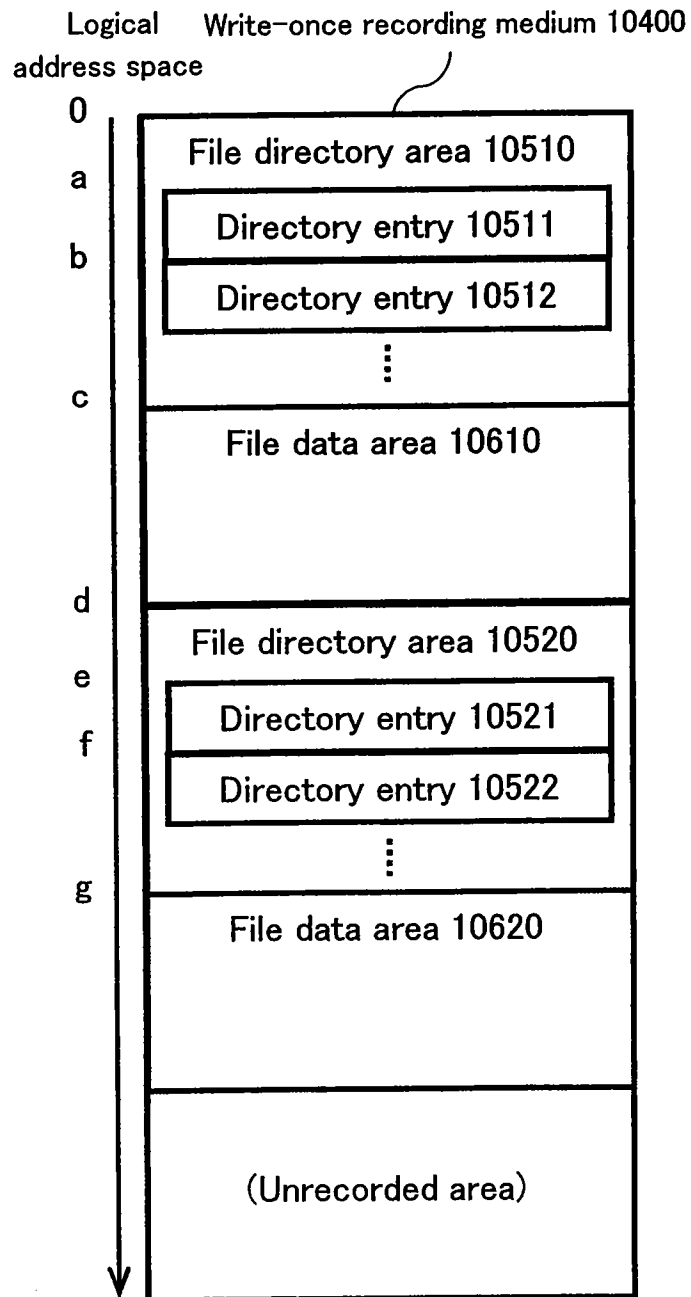


Fig. 36

(a)

100

Lead-in area 101	...
	Disc management information area 104
	...
Spare area 106	...
Volume space 109	(Unrecorded area)
Spare area 107	...
Lead-out area 103	...
	Disc management information area 105
	...

(b)

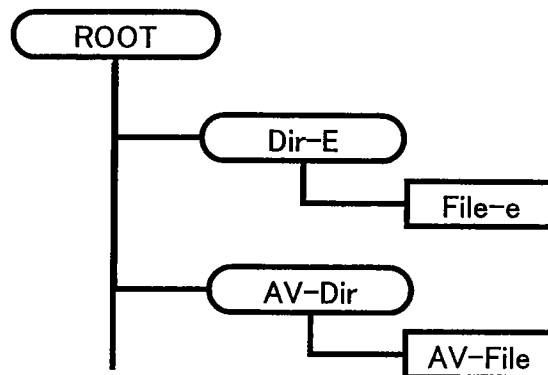


Fig. 37

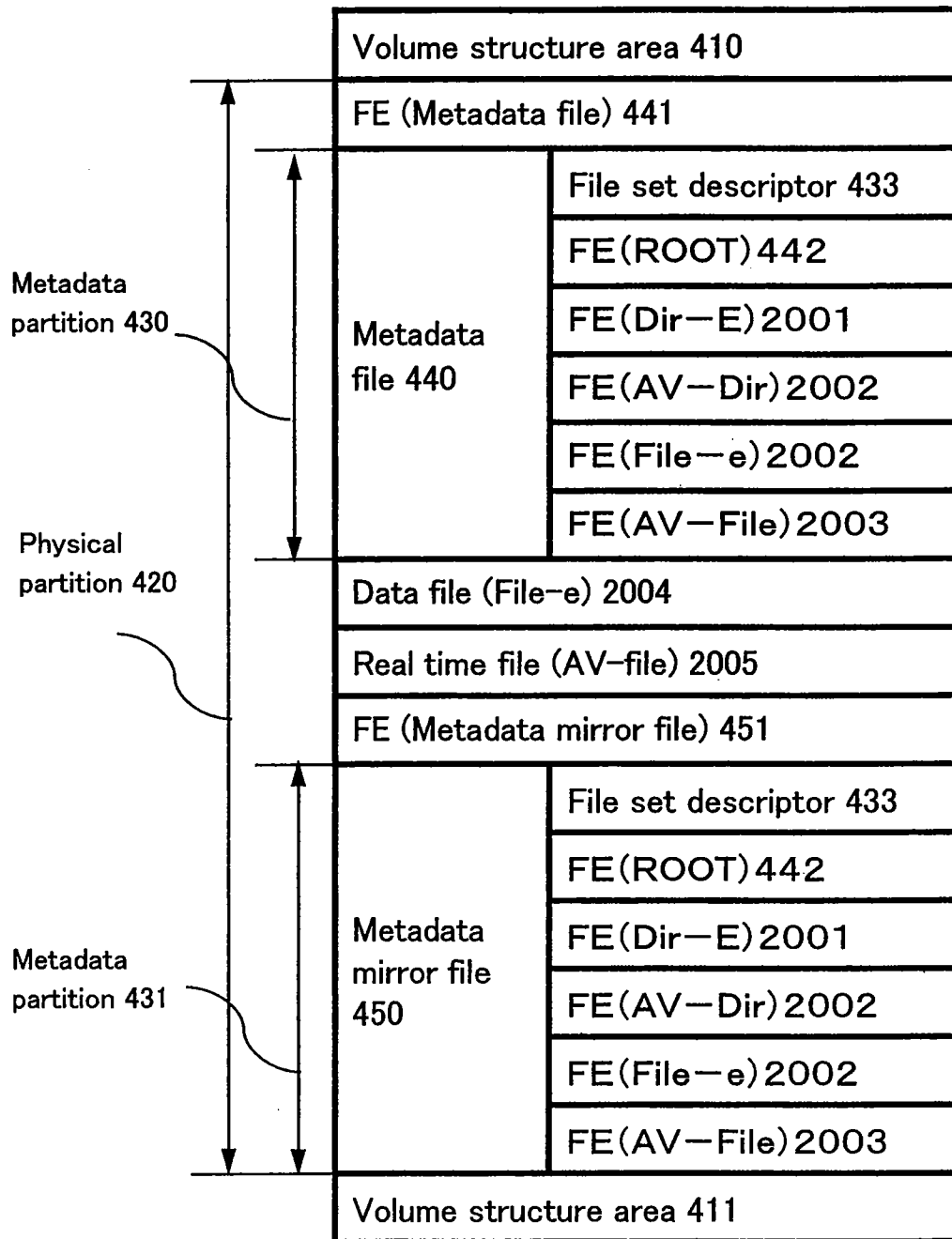


FIG.38

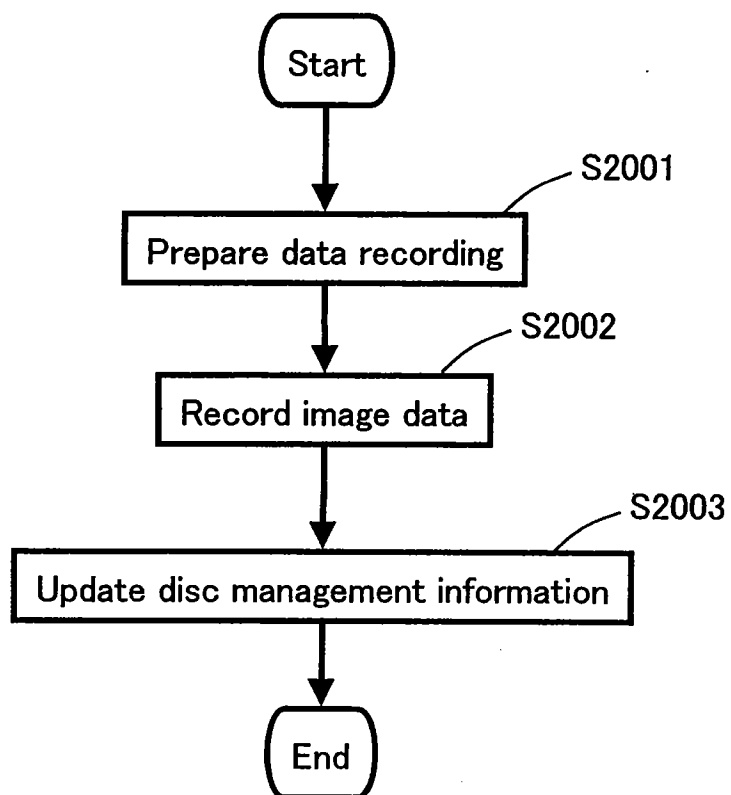


FIG.39

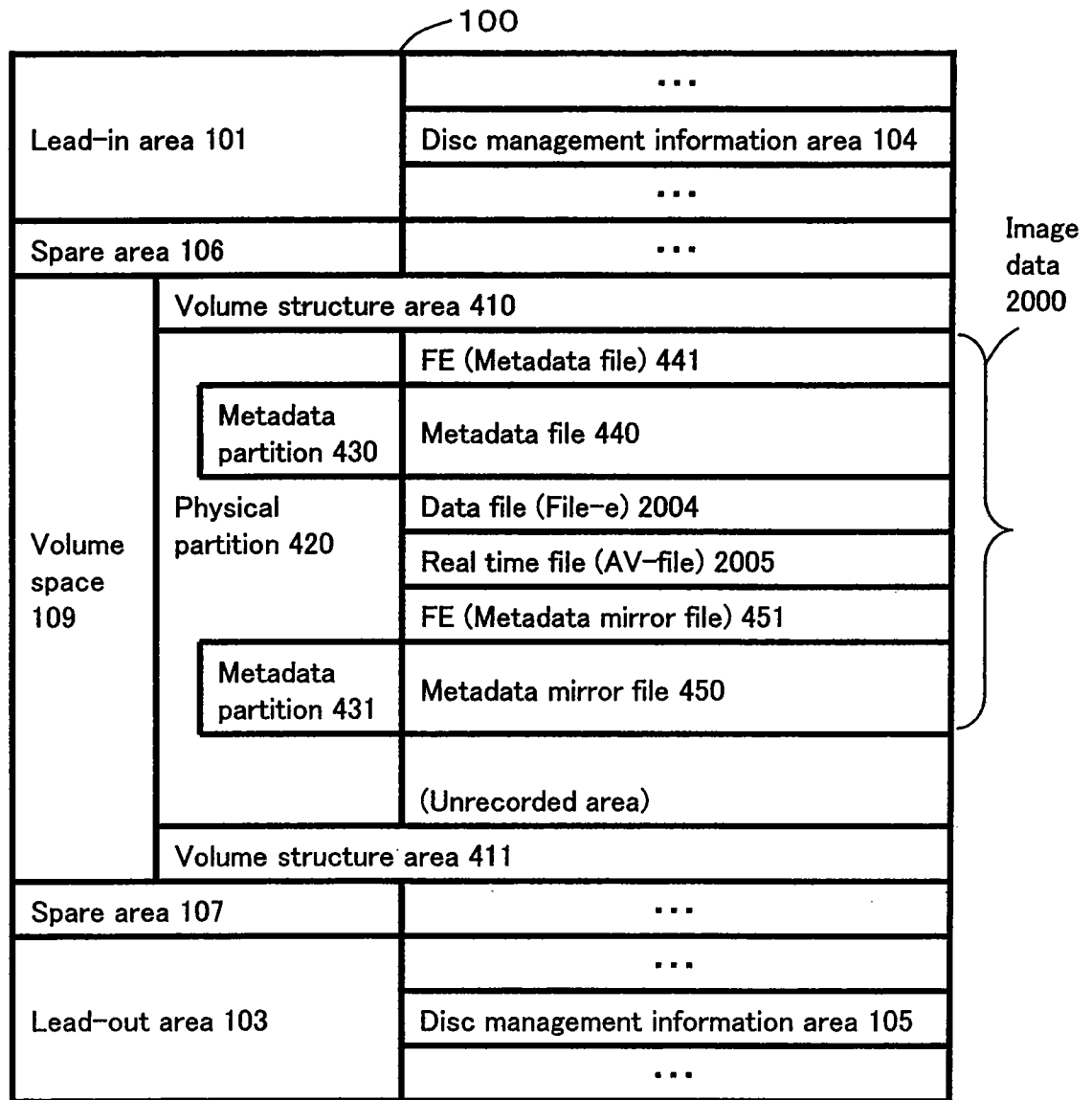


FIG.40

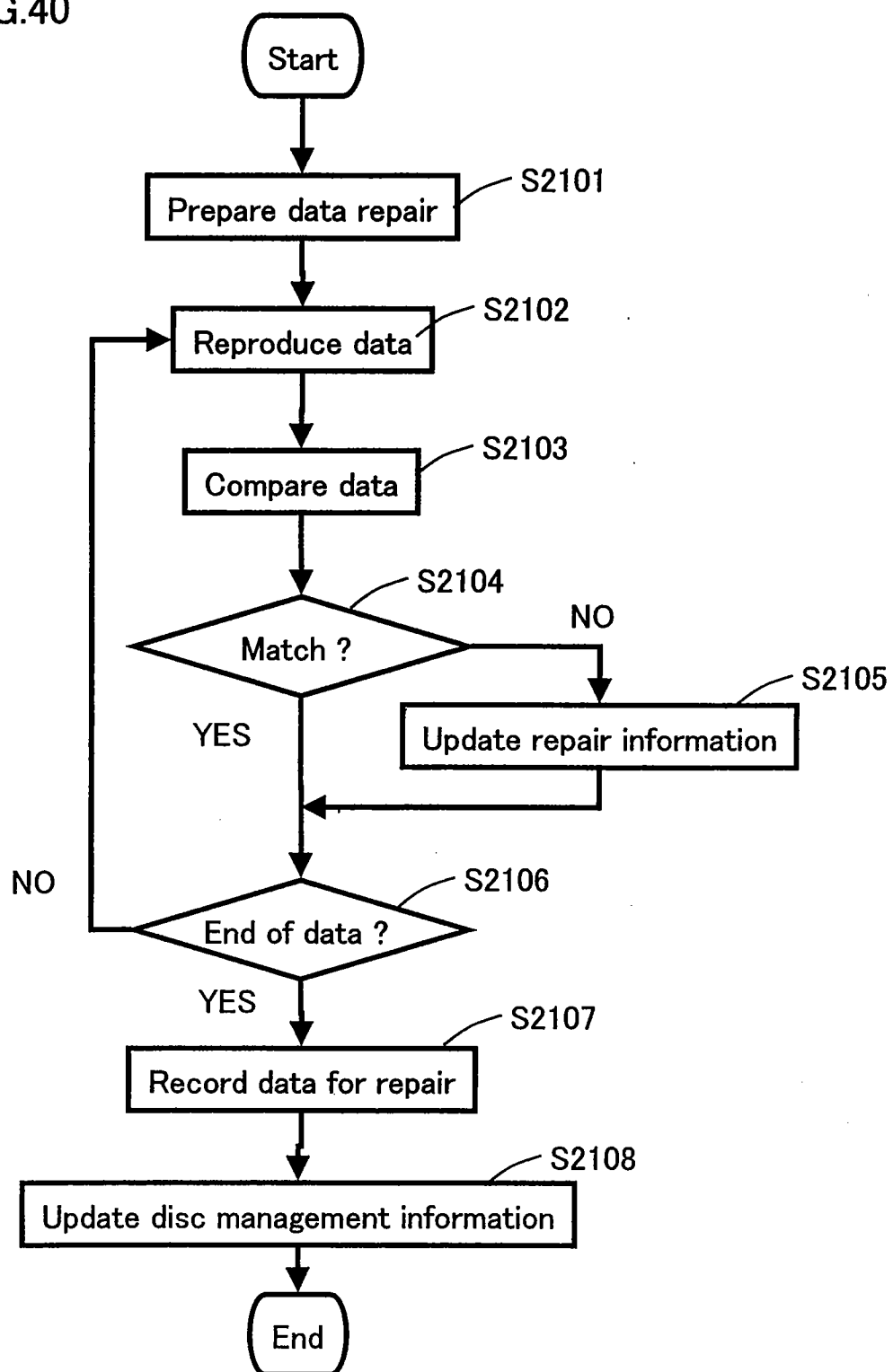


FIG.41

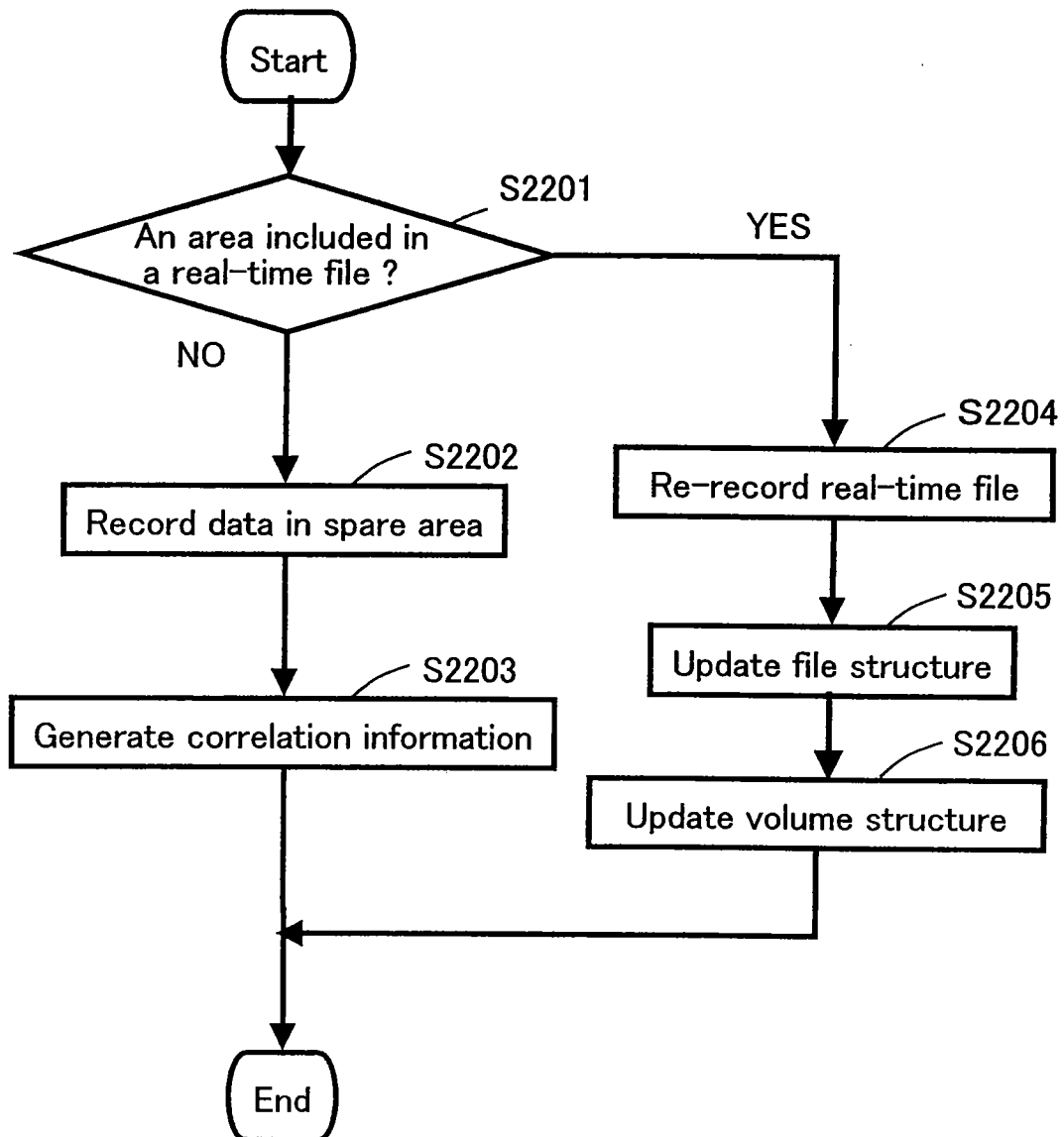


FIG.42

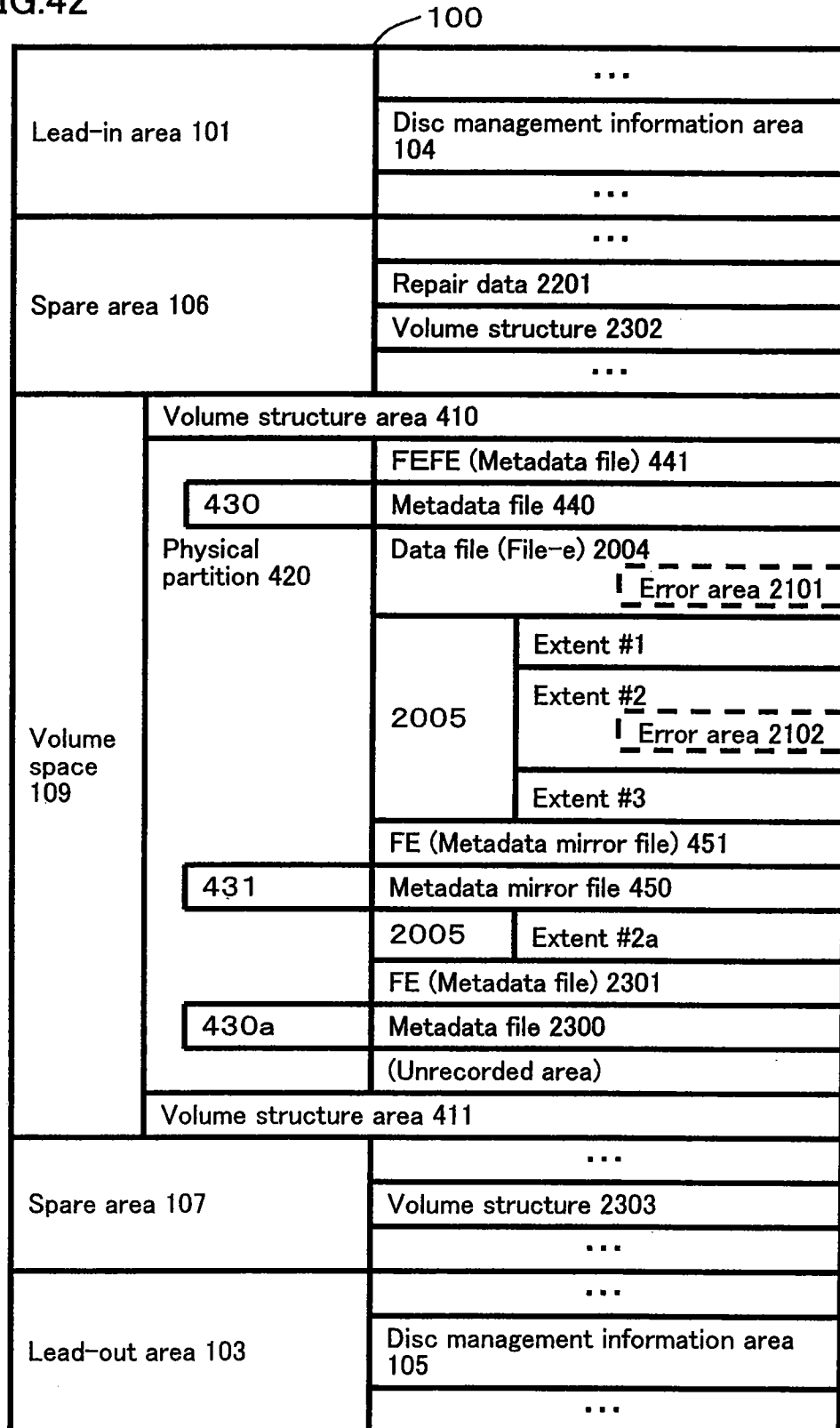


FIG.43

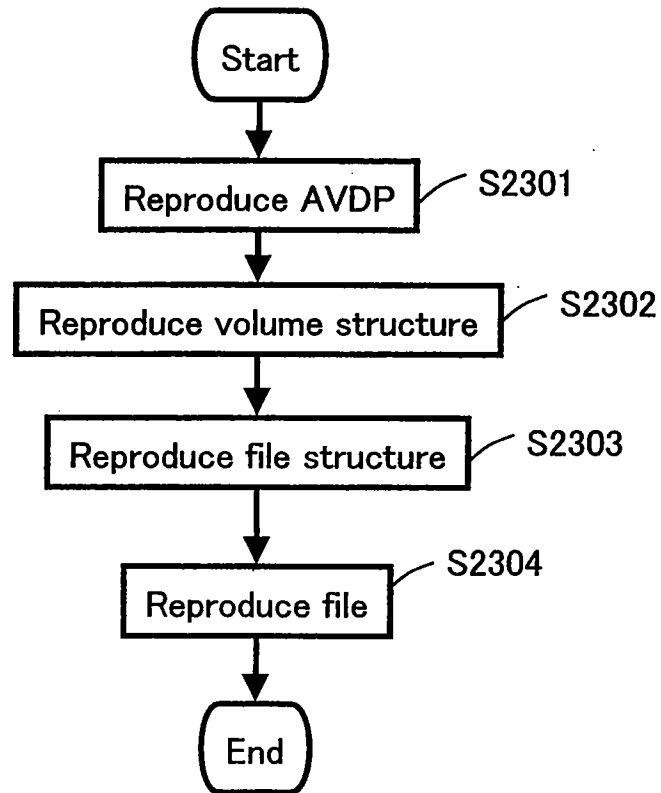


FIG.44

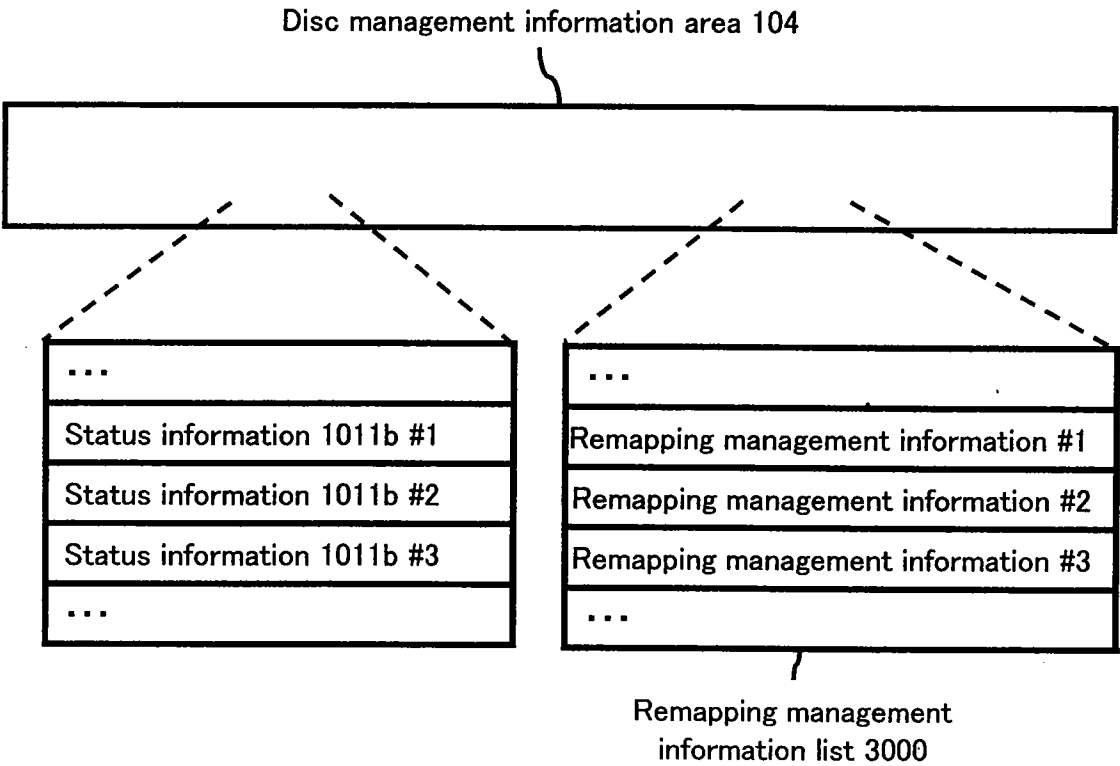


FIG.45

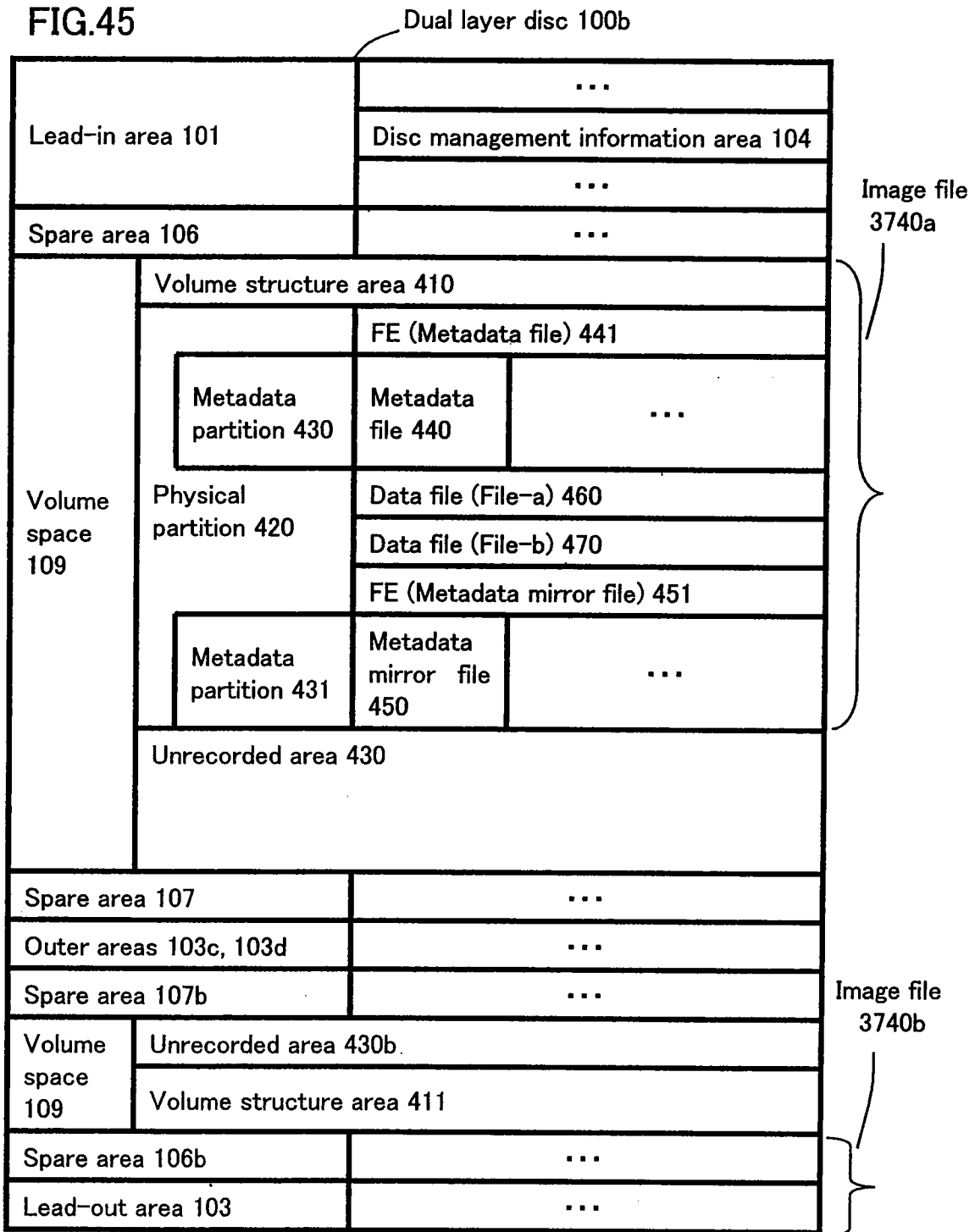


FIG.46

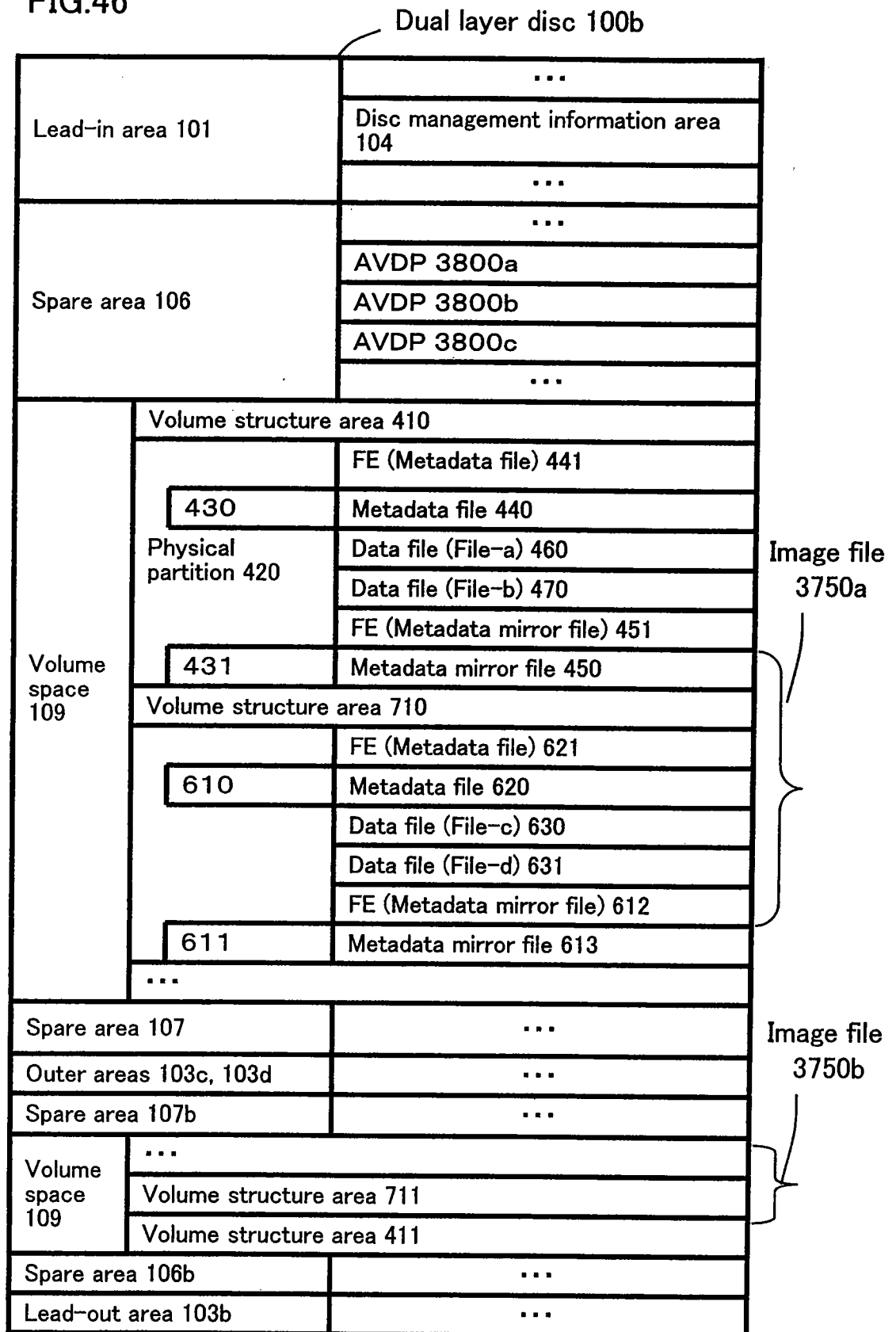


FIG.47

Original location information 1012	Replacement location information 1013
Location information of AVDP 3600a	Location information of AVDP 3800a
Location information of AVDP 3600b	Location information of AVDP 3800b
Location information of AVDP 3600c	Location information of AVDP 3800c